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Tri-Party Agreement Milestone Summary September 1993

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Prepared for the U.S. Department of Energy



**Westinghouse
Hanford Company**

P.O. Box 1970
Richland, Washington 99352

Hanford Operations and Engineering Contractor for the
U.S. Department of Energy under Contract DE-AC06-87RL10930



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PREFACE

The *Tri-Party Agreement Milestone Summary Report* is issued monthly by the U.S. Department of Energy, Richland Field Office (RL). The report provides a summary progress and financial status for each active *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) major milestone and its related interim milestones that are active in the current 12-month period. Of the 276 planned interim milestones due by September 30, 1993, 270 were completed. Three other milestones have been completed early.

The following Tri-Party Agreement major milestones have been completed and are not included in this report:

		<u>Completed</u>
M-12-00	Submit remedial investigation/feasibility study (RI/FS) or <i>Resource Conservation and Recovery Act</i> (RCRA) facility investigation/corrective measures study (RFI/CMS) work plan for 15 operable units.	6/30/92
M-21-00	Submit RCRA interim status compliance assessments for all treatment, storage, and disposal units.	4/30/89
M-22-00	Establish enforceable compliance action schedules.	12/29/89
M-23-00	Complete interim status corrective actions.	9/30/91
M-25-00	Provide annual reports of in-progress studies or efforts to identify alternatives to land disposal of radioactive mixed waste	Deleted*
	*M-25-00 was deleted 3/31/92 and requirements combined with revised Tri-Party Agreement milestone M-26-00.	
M-27-00	Submit all aggregate area management study reports (AAMSR) for the 200 areas.	9/29/92
M-28-00	Submit all soils and groundwater background determination documents to U.S. Environmental Protection Agency (EPA) and Washington State Department of Ecology (Ecology).	4/30/92
M-29-00	Submit documentation to EPA and Ecology describing Hanford Site risk assessment methodology.	3/31/92

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LIST OF TERMS

CERCLA	<i>Comprehensive Environmental Response Compensation and Liability Act</i>
CY	calendar year
DOE-HQ	U.S. Department of Energy, Headquarters
DST	double-shell tank
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
ERA	expedited response action
FY	fiscal year
LDR	land disposal restriction
LFI	limited field investigation
MWTF	Multi-Function Waste Tank Facility
NEPA	<i>National Environmental Policy Act</i>
NOD	notice of deficiency
OU	operable unit
PNL	Pacific Northwest Laboratory
PUREX	Plutonium-Uranium Extraction (Plant)
RCRA	<i>Resource Conservation and Recovery Act</i>
RFI/CMS	RCRA facility investigation/corrective measures study
RI/FS	remedial investigation/feasibility study
RL	U.S. Department of Energy, Richland Operations Office
SST	single-shell tank
TBD	to be determined
Tri-Party Agreement	<i>Hanford Federal Facility Agreement and Consent Order</i>
TWRS	tank waste remediation system
WHC	Westinghouse Hanford Company
WRAP	Waste Receiving and Processing (Facility)

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TRI-PARTY AGREEMENT BUDGET BASELINE SUMMARY SEPTEMBER 1993

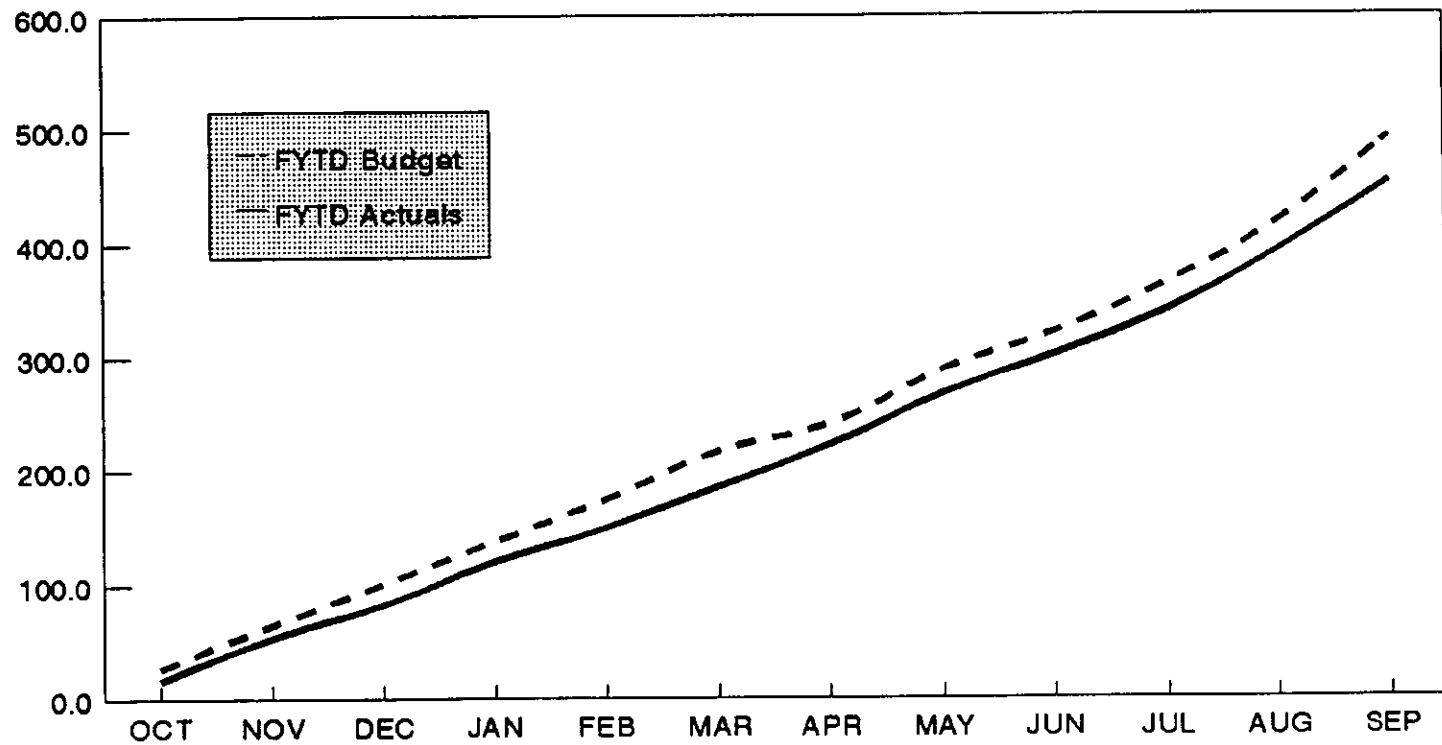
(\$ In Millions)

<u>MAJOR MILESTONE</u>	<u>FYTD BUDGET</u>	<u>FYTD COST</u>	<u>SPENDING VARIANCE</u>	<u>ANNUAL BUDGET</u>
M-00 *	19.3	11.5	4.2	19.3
M-01 *	38.5	39.1	(0.6)	38.5
M-02 *	23.3	21.6	1.7	23.3
M-03 *	129.4	112.7	16.7	129.4
M-04	0.1	0.1	0.0	0.1
M-05	9.8	9.5	0.3	9.8
M-06 *	3.0	2.7	0.3	3.0
M-07	5.0	5.7	(0.7)	5.0
M-08	2.4	2.5	(0.1)	2.4
M-09	6.4	5.9	0.5	6.4
M-10	23.2	24.5	(1.3)	23.2
M-11	13.8	12.1	1.7	13.8
M-12	0.5	0.4	0.1	0.5
M-13	1.1	0.9	0.2	1.1
M-14	10.6	11.9	(1.3)	10.6
M-15 *	90.8	79.7	11.1	90.8
M-16	9.7	11.3	(1.6)	9.7
M-17 *	61.1	58.8	2.3	61.1
M-18	7.9	8.1	(0.2)	7.9
M-19	5.9	5.8	0.1	5.9
M-20 *	11.9	8.0	3.9	11.9
M-24	4.1	3.3	0.8	4.1
M-26	0.1	0.1	0.0	0.1
M-30	2.0	2.0	0.0	2.0
M-31	12.3	11.0	1.3	12.3
	<u>492.2</u>	<u>452.8</u>	<u>39.4</u>	<u>492.2</u>

* These milestones include costs from other contractors.
All other milestones are WHC only. \$0.0=less than \$100K.

TRI PARTY AGREEMENT ALL MILESTONES FY 1993

\$ Millions

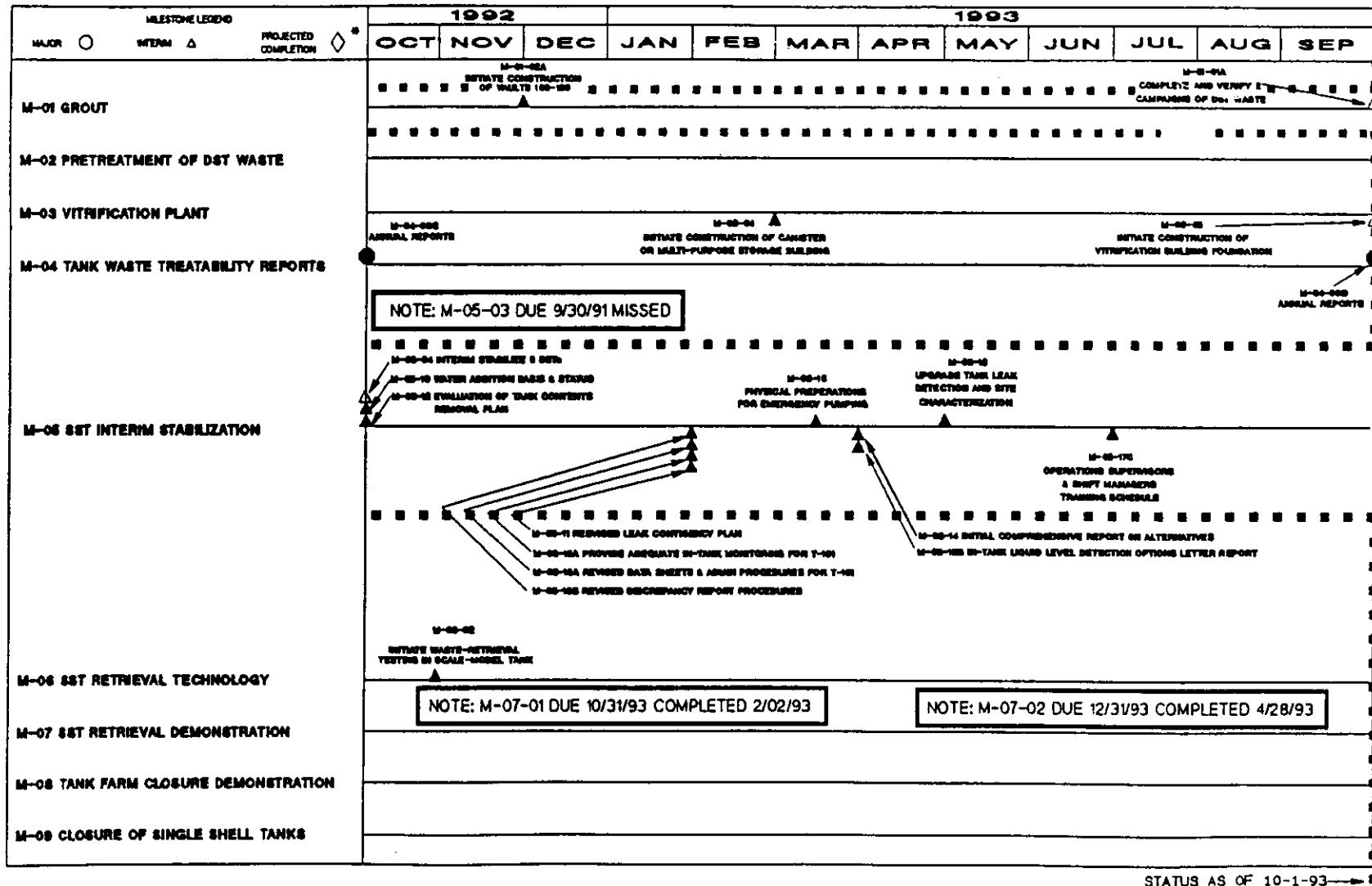


FYTD Budget	27.1	65.2	100.7	138.0	174.2	216.5	240.3	287.7	321.1	363.7	417.6	492.2
FYTD Actuals	16.1	53.8	83.1	120.2	149.6	185.5	221.9	266.6	301.1	340.0	391.9	452.8
Spending Var	11.0	11.4	17.6	17.8	24.6	31.0	18.5	21.1	20.0	23.7	25.7	39.4

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TPA MILESTONES

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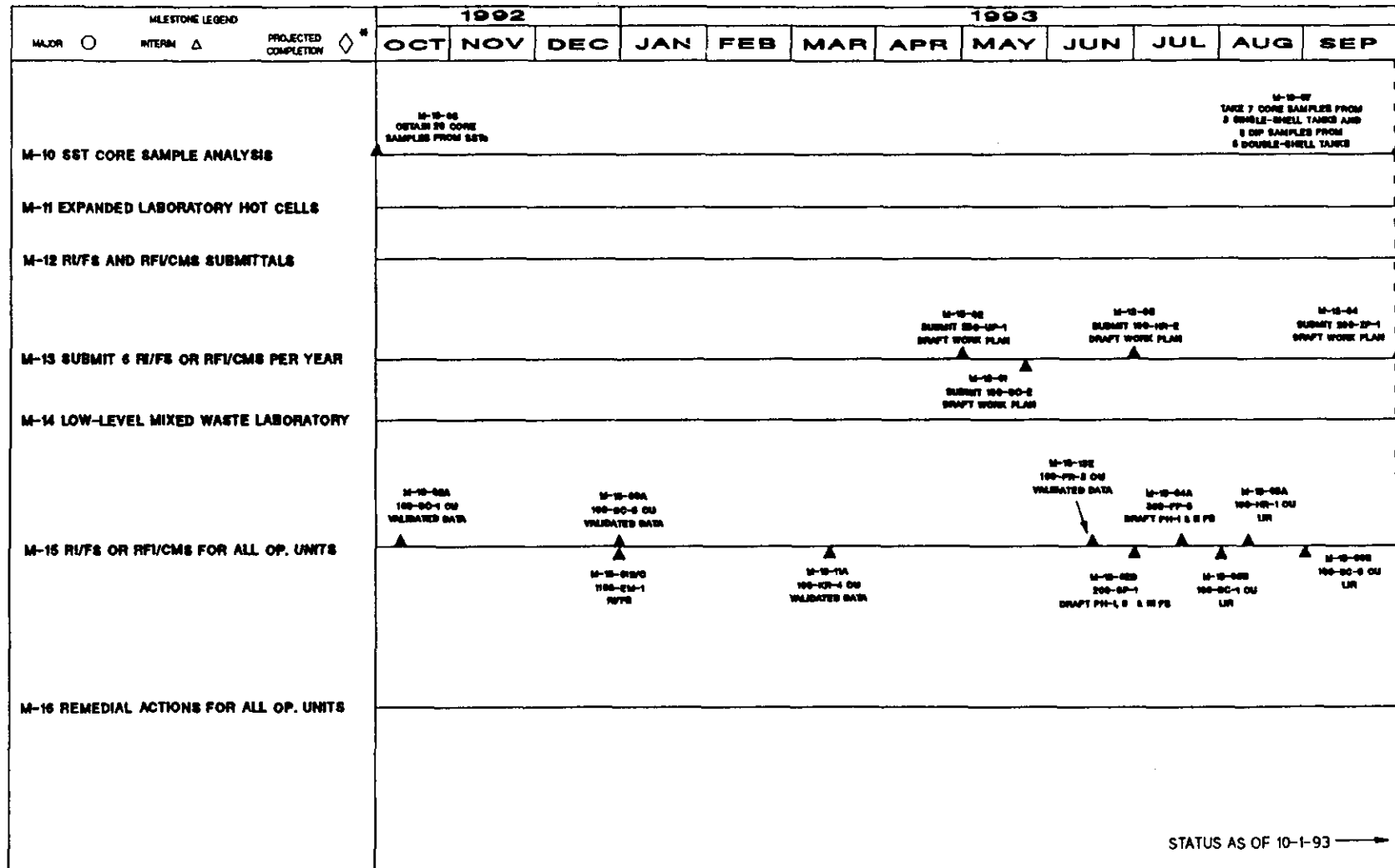
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* PROJECTED MAJOR MILESTONE COMPLETION BASED ON FY 94 PLANNING CASE NOT FY 94 TARGET CASE

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TPA MILESTONES

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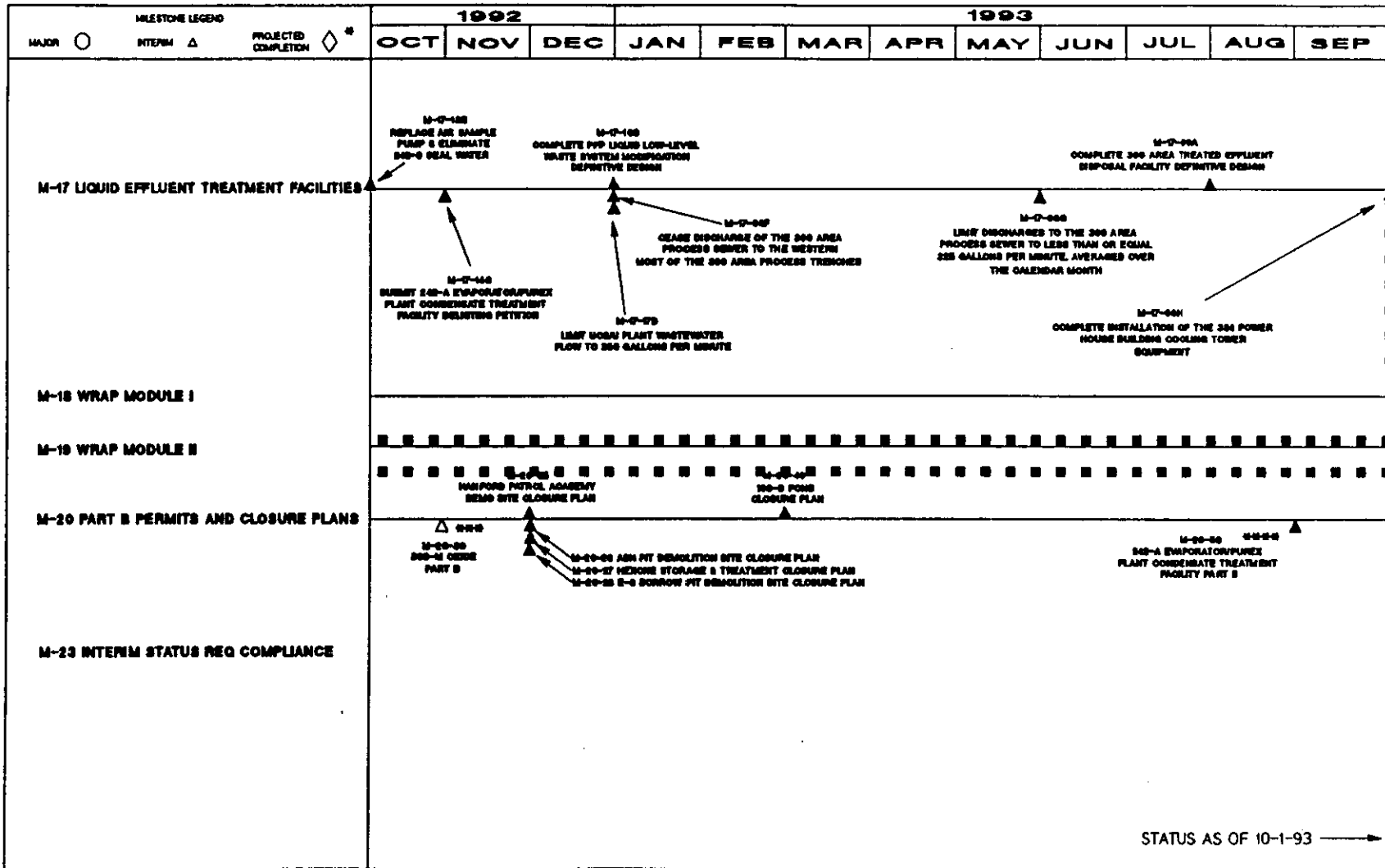


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* PROJECTED MAJOR MILESTONE COMPLETION BASED ON FY 94 PLANNING CASE NOT FY 94 TARGET CASE

TPA MILESTONES

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* PROJECTED MAJOR MILESTONE COMPLETION BASED ON FY 94 PLANNING CASE NOT FY 94 TARGET CASE

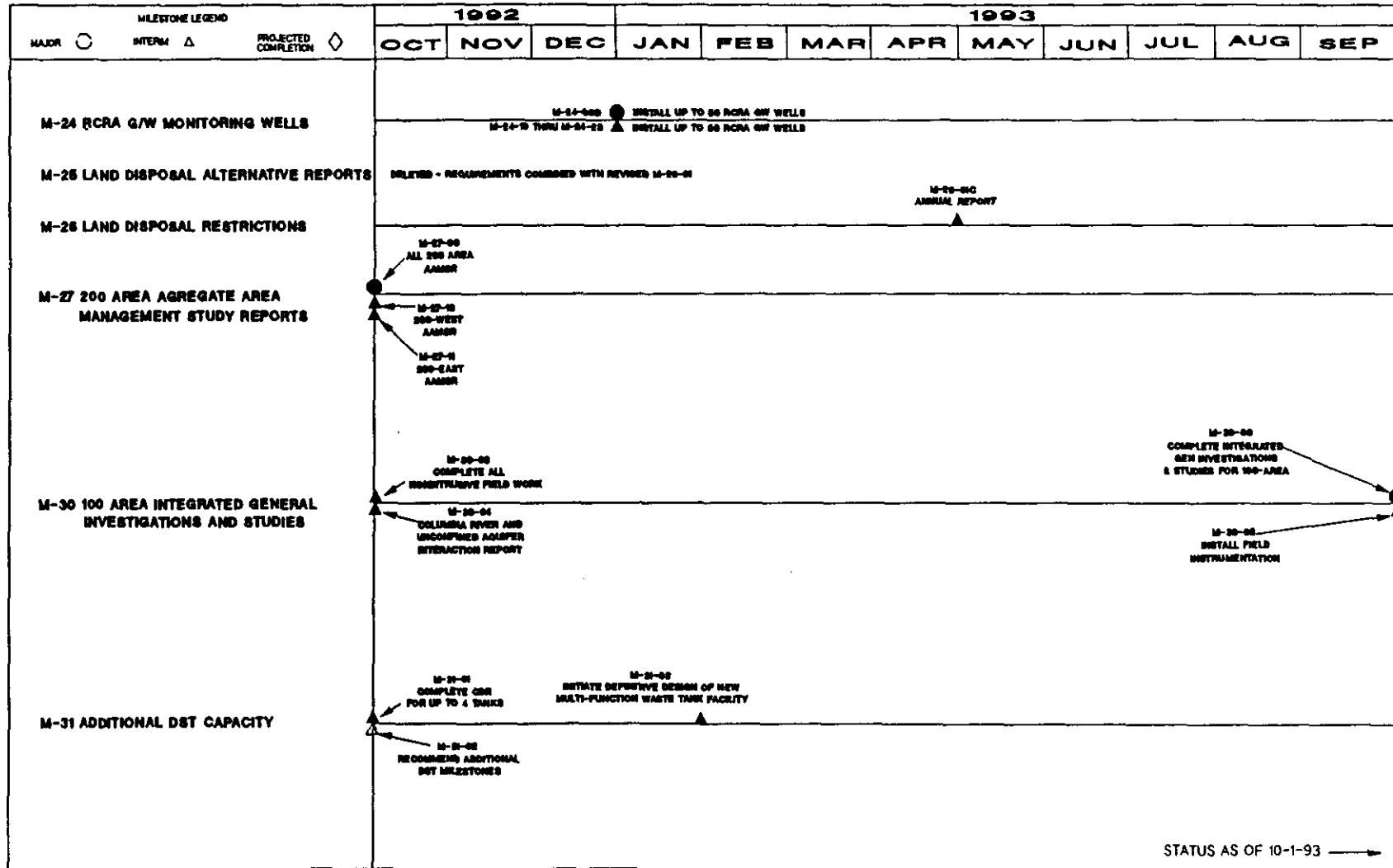
** WRAP 2B (TRU WASTE) DELAYED - WRAP 2A (LLW/RMW) PROJECTED TO BE COMPLETED AS SCHEDULED ON 9-30-99

*** REQUEST TO WITHDRAW PART A DENIED; DISPUTE RESOLUTION IN PROCESS.

**** FACILITY CURRENTLY TITLED "200 AREA EFFLUENT TREATMENT FACILITY".

TPA MILESTONES

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MAJOR MILESTONE: M-01-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: L. Erickson

MANAGER: R. J. Murkowski

BASELINE DATE: December 1996

PROJECTED DATE: To be determined (TBD)

DESCRIPTION: Complete 14 grout campaigns.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
M-01-01A	Complete and verify two campaigns of double-shell tank (DST) waste (including one campaign of phosphate-sulfate waste).	9/93	Proposed Delete
M-01-03A	Initiate construction of vaults 110 through 113.	11/93	Proposed Delete
M-01-01B	Complete one additional campaign of DST waste (total is three campaigns including one phosphate-sulfate waste campaign).	12/93	Proposed Delete

ACCOMPLISHMENTS

- Transmitted performance assessment to U.S. Department of Energy, Richland Operations Office (RL).
- Successfully demonstrated cold cap (clean grout) capabilities in a pilot pour. Placement of cold cap in vault 101 will begin during the first week of October.
- Low-Level Waste Disposal Program has planned to begin the transition from grouting (Grout Facilities will be in standby) as a disposal technology to a glass vitrification process. This is consistent with the planning assumptions used in the negotiations.

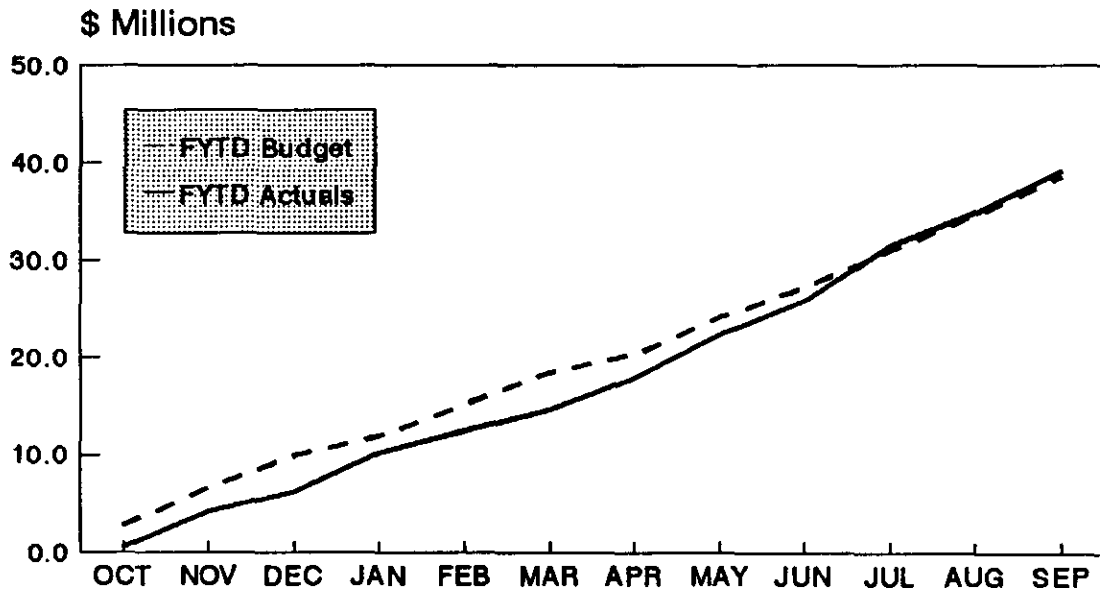
PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Place cold cap material in vault 101.
- Complete characterization activities for DSTs 241-AP-102, -105, and -106.
- Resolve and close out comments on the final safety analysis report and obtain approval from U.S. Department of Energy, Headquarters (DOE-HQ).

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MILESTONE STATUS/PROBLEMS/ISSUES

- The Low-Level Waste Disposal Program has been focusing on facility restart activities and accomplishment of *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) milestone M-01-01A, "Complete and verify two DST campaigns" by October 1994, as outlined in change request M-01-92-01A, currently in dispute resolution. Delays are being experienced beyond those identified in change request M-01-92-01A. These additional delays are attributable to programmatic uncertainties; loss of temporary and permanent personnel who were dedicated to facility readiness activities (procedures, facility upgrades, training/certification, and critical facility maintenance); mixer pump difficulties in DST 241-AP-102, which impacted waste sampling and characterization; and the continuing complexity with the performance assessment.
- Laboratory analysis of DST 241-AP-102, "Proposed waste feed for vault 102," was completed in September 1993. The certified data report will be finalized during fiscal year (FY) 1994.
- Negotiation of changes to the Tri-Party Agreement was completed September 30, 1993. Tentative agreement was reached to use glass as the reference waste form instead of grout with a vitrification plant scheduled to operate by 2005. Public review of the complete negotiated package is to start October 18. Public meetings will be held in November.



FYTD Budget	2.7	6.8	9.9	11.9	15.2	18.5	20.3	24.2	27.3	31.0	34.6	38.5
FYTD Actuals	0.5	4.2	6.2	10.2	12.5	14.7	17.9	22.4	25.9	31.5	34.9	39.1
Spending Var	2.2	2.4	3.7	1.7	2.7	3.8	2.4	1.8	1.4	-0.5	-0.3	-0.6

Variance Explanation: None required.

MAJOR MILESTONE: M-02-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: L. Erickson

MANAGER: W. C. Miller

BASELINE DATE: TBD

PROJECTED DATE: TBD

DESCRIPTION: Initiate pretreatment of DST waste.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
M-02-03	Submit tank waste remediation system (TWRS) baseline scope, cost, and schedule.	3/31/94	3/31/94
M-02-05	Incorporate additional interim milestones to support pretreatment of DST waste.	1/31/94	1/31/94

ACCOMPLISHMENTS

- Completed negotiations with Washington State Department of Ecology (Ecology) and U.S. Environmental Protection Agency (EPA) on TWRS rebaselining and revision, including M-02 on September 30, 1993.
- Continued implementation of Phase I of the DST 241-AZ-101 settling test to evaluate temperature response caused by shutting off airlift circulators (M-02-00-T7).

PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

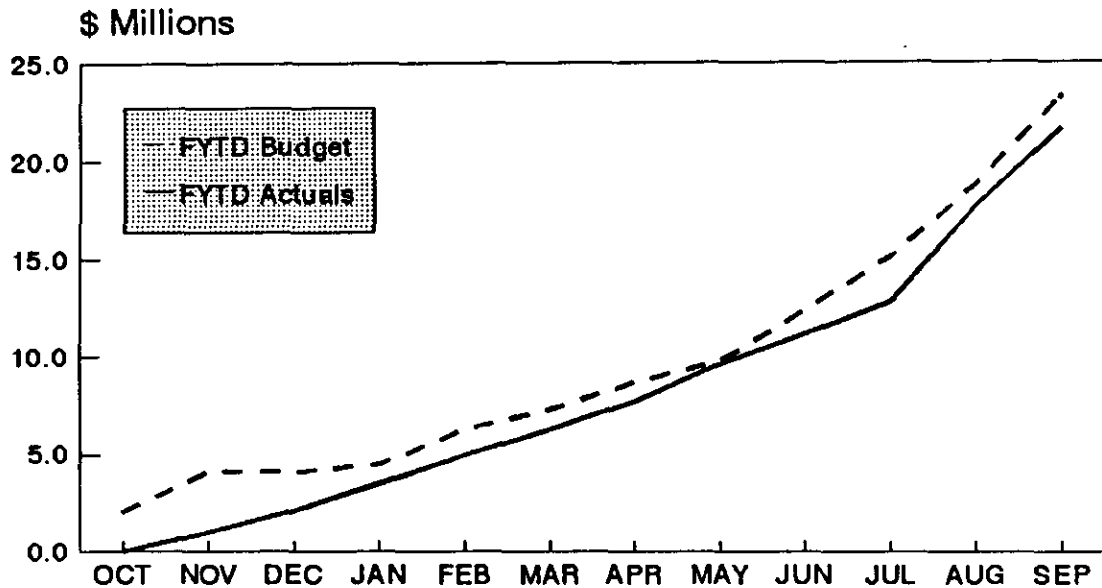
- Leave airlift circulators off through end of 90-day test period and continue to monitor DST 241-AZ-101 temperatures and sludge level. Issue process test report for Phase I of settling-bump test.
- Update FY 1994 and outyear planning to reflect revised Tri-Party Agreement.

MILESTONE STATUS/PROBLEMS/ISSUES

- Target milestone M-02-00-T7 ("Initiate settling tests for neutralized current acid waste in-tank solids washing") may be satisfied through initiation of Phase I of the DST 241-AZ-101 settling-bump test. Formal documentation is being prepared to obtain agreement on what constitutes completion of this milestone.

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- The TWRS rebaselining study was completed and released in March. Changes to the TWRS-related milestones were proposed and negotiations were completed September 30. A public review period has begun to allow public review and comment before final agreements are reached with the regulators. The review period will start October 18. Response to comments and final approval of the changes is expected by January 31, 1994.
- Milestones M-02-03 and M-02-05 were established before the Evaluation of Hanford Tank Waste Remediation Alternatives Agreement in Principle was reached. The scope of these two milestones is an integral part of the evaluation and negotiation authorized by the agreement. A change request to delay completion of M-02-05 to January 31, 1994, and to delay completion of M-02-03 to March 31, 1994, was approved by Ecology and EPA on September 22, 1993.



FYTD Budget	2.0	4.1	4.1	4.5	6.3	7.3	8.7	9.8	12.4	15.1	18.8	23.3
FYTD Actuals	0.0	1.0	2.1	3.5	5.0	6.3	7.7	9.6	11.2	12.8	17.7	21.6
Spending Var	2.0	3.1	2.0	1.0	1.3	1.0	1.0	0.2	1.2	2.3	1.1	1.7

Variance Explanation: None required.

MAJOR MILESTONE: M-03-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: R. W. Brown

MANAGER: R. A. Smith

BASELINE DATE: December 1999

PROJECTED DATE: TBD

DESCRIPTION: Initiate Hanford Waste Vittrification Plant Operations.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
M-03-05	Initiate construction of the Vittrification Building foundation.	9/93	TBD pending finalization of Tri-Party Agreement negotiations
M-03-06	Initiate installation of the Vittrification Building mechanical equipment and piping.	8/94	TBD pending finalization of Tri-Party Agreement negotiations
M-03-06-T1	Initiate procurement of the melter.	11/93	TBD pending finalization of Tri-Party Agreement negotiations

ACCOMPLISHMENTS

- Completed and issued the design modifications necessary to provide a fourfold capacity-increase flexibility to the Vittrification Building slab.
- Successfully completed the turnover of the Fluor Daniel and United Engineers and Constructors Catalytic contracts from RL to Westinghouse Hanford Company (WHC).
- Continued work on the TWRS office building. Commenced work on siding, roofing, and interior partitions.
- Commenced work on Sanitary Sewer System (Mechanical Site Utilities).
- Completed Canister Storage Building base slab.

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- Completed recycle waste collection tank dilute feed homogeneity and suspension test using full-scale feed tank.
- Detailed design is 58.6% complete.

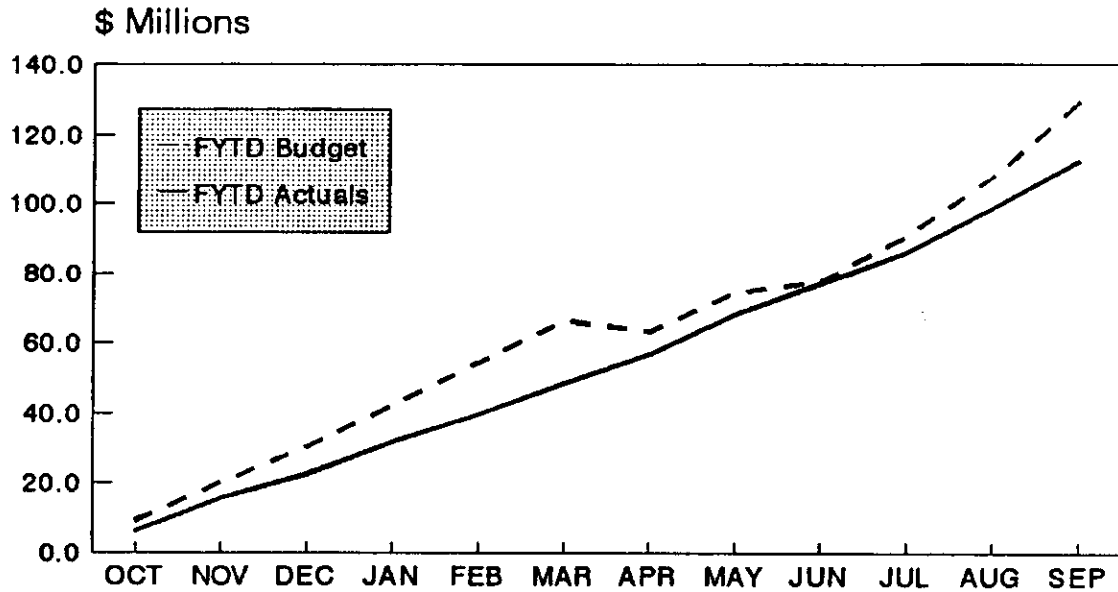
PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Continue construction of the TWRS office building and obtain beneficial occupancy.
- Award TWRS Office Building parking lot subcontract and complete parking lot construction.
- Continue construction of Mechanical Site Utilities.
- Complete formal safety evaluation activities for the increased plant capacity (fourfold) concept.
- Complete Phase II of the Expanded Capacity (fourfold) Melter Evaluation Study and issue formal report.
- Perform recycle waste collection tank dilute feed homogeneity and resuspension test using feed tank configuration with baffles.

MILESTONE STATUS/PROBLEMS/ISSUES

- A new Agreement in Principle and draft Tri-Party Agreement milestone changes have been negotiated with Ecology and EPA to significantly delay the Hanford Waste Vittrification Plant Project to focus on a low-level vittrification plant. Revised Hanford Waste Vittrification Plant milestones will be established pending finalization of the tentative agreements of the Tri-Party Agreement negotiations.

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FYTD Budget	9.3	20.2	30.5	42.2	54.4	66.4	63.2	74.4	77.9	91.0	108.0	129.4
FYTD Actuals	6.2	15.8	22.5	32.0	39.5	48.4	56.9	68.3	77.2	86.2	98.9	112.7
Spending Var	3.1	4.4	8.0	10.2	14.9	18.0	6.3	6.1	0.7	4.8	9.1	16.7

Variance Explanation: The majority of the spending variance is a result of the 6-month delay in the project pending a review of alternatives to the current design of the vitrification plant.

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MAJOR MILESTONE: M-04-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: L. Erickson

MANAGER: W. C. Miller

BASELINE DATE: September 30, 1993

PROJECTED DATE: September 30, 1993

DESCRIPTION: Provide annual reports of tank waste treatability studies.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
M-04-00D	Provide annual report of tank waste treatability studies.	09/93	09/93

ACCOMPLISHMENTS

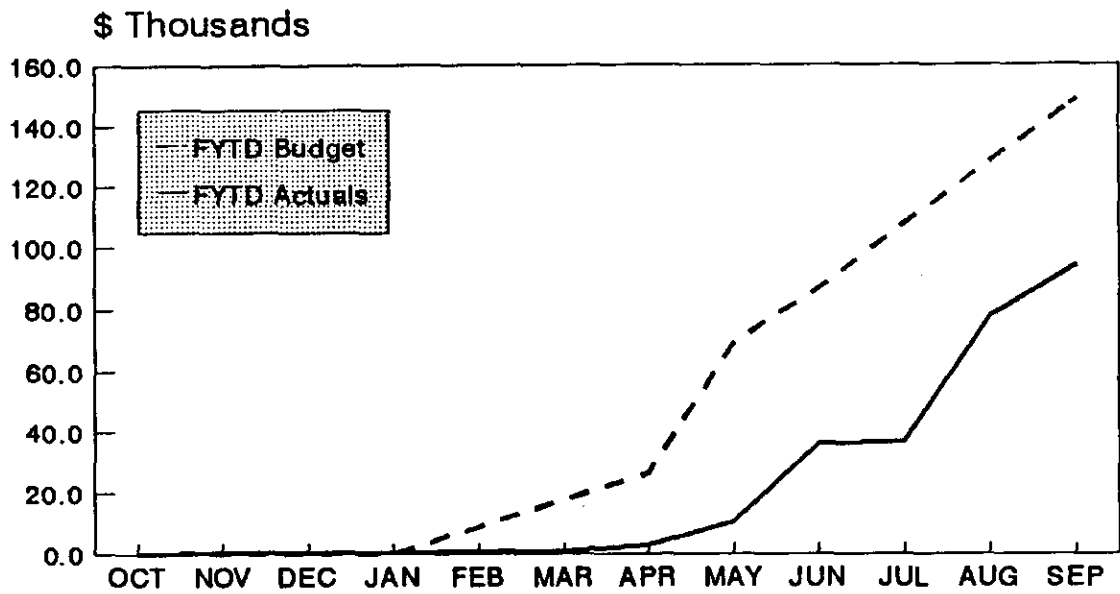
- Issued annual report of "Tank Waste Treatability" studies on September 27, 1993.

PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- None.

MILESTONE STATUS/PROBLEMS/ISSUES

- Nothing to report.



Variance Explanation: None required.

MAJOR MILESTONE: M-05-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: R. E. Gerton

MANAGER: R. E. Raymond

BASELINE DATE: September 1995

PROJECTED DATE: TBD

DESCRIPTION: Complete single-shell tank (SST) interim stabilization.

PAST DUE AND SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
M-05-03	Interim stabilize an additional 4 SSTs.	9/91	TBD
M-05-04	Interim stabilize an additional 9 SSTs.	9/92	TBD
M-05-05	Interim stabilize an additional 11 SSTs.	1/94	TBD
M-05-06	Interim stabilize an additional 8 SSTs.	9/94	TBD
M-05-17C	Provide to Ecology and EPA the draft curriculum for the upgraded Maintenance Training Program and an implementation schedule for that training.	6/94	6/94
M-05-17B	Complete Nuclear Operator training.	12/93	12/93

ACCOMPLISHMENTS

- Completed negotiations with Ecology and EPA on TWRS rebaselining, having reached tentative agreement, pending public review and comment, including probable revision of this milestone.

PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

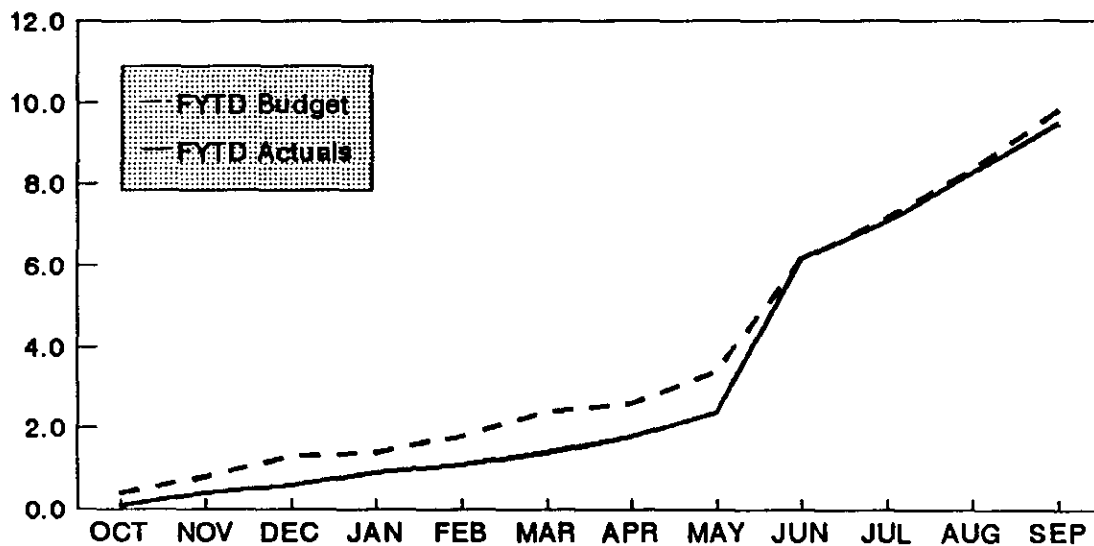
- Restart the field work following the review of conduct of operations emanating from the tank farm administrative hold.
- Begin emergency pumping of SST 241-BX-111 and pumping of SST 241-BX-110.
- Complete safety analysis report addendum to allow alternative methods for transfer of RAD waste within SST farms. This report is now in RL for review.
- Continue restoration of double-contained receiver SST 241-U-244.

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MILESTONE STATUS/PROBLEMS/ISSUES

- An administrative hold has been imposed on all tank farm operations pending a review of conduct of operations within all Tank Farm Operations work. This hold has stopped all nonessential field work and will have a significant impact on the stabilization program, including SSTs 241-BY-102, -BY-109, -C-102, -C-107, and -C-110.
- RL submitted a draft Tri-Party Agreement change control form to the regulators that would add the start of pumping SST 241-BX-111 in August 1993 as a new interim milestone. Ecology has rejected this approach. RL is reviewing its options before deciding its next step.
- A "Creation of Danger," as defined in Article 31 of the Tri-Party Agreement, was declared on January 28, 1992. To protect worker safety, a work restriction was placed on all SST farms, and fresh air is required to operate within the boundaries of three farms. On February 28, 1992, all waste transfers in the 200 Area tank farms were halted because of concerns on fissile material inventory. The cessation on waste transfers continues. The impacts to the Tri-Party Agreement will result in a change request.
- A safety question was raised about the hazards of higher temperatures that could result in the SSTs when liquid is removed from them. Analyses and studies continue on this question.

\$ Millions



FYTD Budget	0.4	0.8	1.3	1.4	1.8	2.4	2.6	3.4	6.2	7.2	8.4	9.8
FYTD Actuals	0.1	0.4	0.6	0.9	1.1	1.4	1.8	2.4	6.2	7.1	8.3	9.5
Spending Var	0.3	0.4	0.7	0.5	0.7	0.9	0.8	1.0	0.0	0.1	0.1	0.3

Variance Explanation: None required.

MAJOR MILESTONE: M-06-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: L. Erickson

MANAGER: W. C. Miller

BASELINE DATE: June 1994

PROJECTED DATE: June 1994

DESCRIPTION: Develop SST waste retrieval technology and complete scale-model testing.

PAST DUE AND SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
M-06-00	Develop SST waste retrieval technology and complete scale-model testing	6/94	6/94

ACCOMPLISHMENTS

- Completed negotiations with Ecology and EPA on TWRS rebaselining, having reached tentative agreement, pending public review and comment, including probable revision of this milestone.

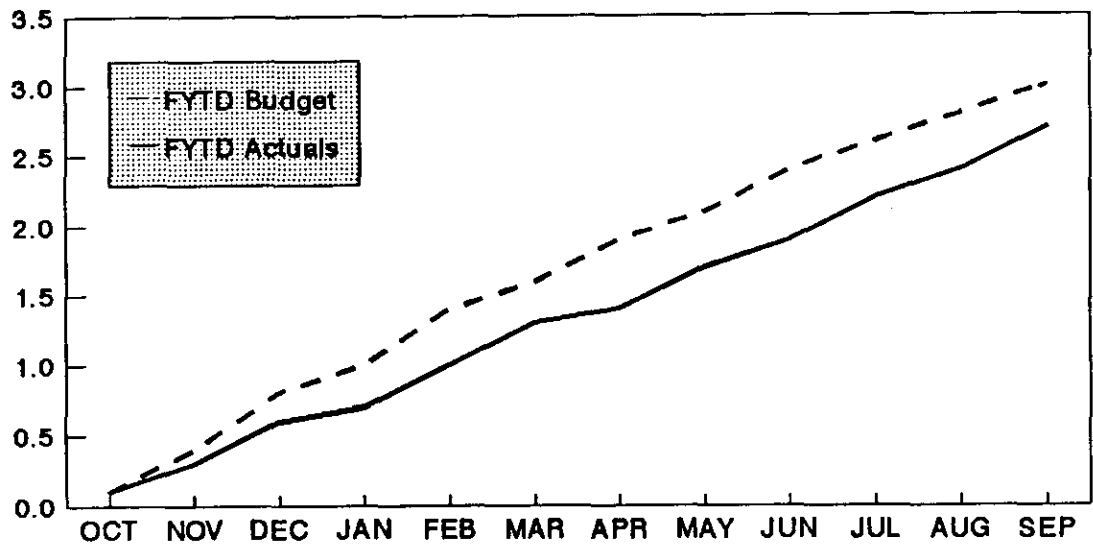
PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Submit, review, and obtain regulator concurrence on the M-06 definition plan by October 1993.
- Experimentally optimize retrieval rates with computer modeling. Define the airlift conveyance system limits.

MILESTONE STATUS/PROBLEMS/ISSUES

- This milestone is on schedule.

\$ Millions



FYTD Budget	0.1	0.4	0.8	1.0	1.4	1.6	1.9	2.1	2.4	2.6	2.8	3.0
FYTD Actuals	0.1	0.3	0.6	0.7	1.0	1.3	1.4	1.7	1.9	2.2	2.4	2.7
Spending Var	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.4	0.2	0.4	0.4	0.3

Variance Explanation: None required.

MAJOR MILESTONE: M-07-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: L. Erickson

MANAGER: W. C. Miller

BASELINE DATE: October 1997

PROJECTED DATE: October 1997

DESCRIPTION: Initiate full-scale demonstration of waste retrieval technology.

PAST DUE AND SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
None.			

ACCOMPLISHMENTS

- Completed negotiations with Ecology and EPA on TWRS rebaselining, having reached tentative agreement, pending public review and comment, including probable revision of this milestone.
- Continued preparation of environmental and regulatory compliance documentation as required by *Resource Conservation and Recovery Act* (RCRA), *Washington Clean Air Act of 1967*, and *National Environmental Policy Act* (NEPA).

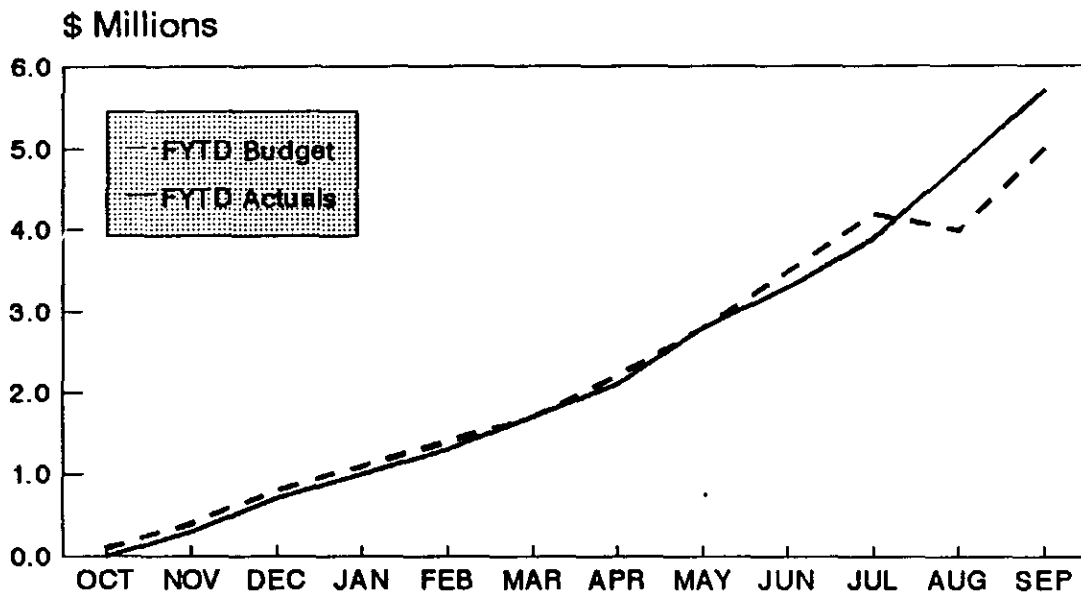
PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Restart the field work following the review of conduct of operations emanating from the tank farm administrative hold.
- Develop a detailed plan for M-07-00 achievement, integrated with milestone M-06-00 ("Develop SST waste retrieval technology") and the Underground Storage Tank Integrated Demonstration activities. Propose revisions to the M-07 interim milestones based on the detailed schedules.
- Develop and present to the regulators a position paper on TWRS program regulatory compliance issues.

MILESTONE STATUS/PROBLEMS/ISSUES

- An administrative hold has been imposed on all tank farm operations pending a review of conduct of operations within all Tank Farm Operations work. This has stopped all nonessential field work.

- Preliminary assessments of the impacts of performing NEPA analyses (environmental assessment or environmental impact statement) suggest they could substantially delay this program.
- The preliminary strategy for SST retrieval includes two reference technologies: sluicing and long-reach manipulator systems. The retrieval demonstration under M-07 will use sluicing technology. Significant development work is required before other retrieval technologies can be used. The long-reach manipulator system (or alternative technology) will be deployed to complete the retrieval demonstration if sluicing cannot achieve the 95% waste retrieval criteria for the M-07 demonstration.
- The preliminary studies on subsurface barriers show this technology is in its infancy. The potential that subsurface barriers be required as part of this milestone will practically ensure that the milestone could not be met as scheduled, and the benefit to the environment is questionable. The utilization of surface barriers would provide similar protection to groundwater by preventing precipitation from recharging the vadose zone.



FYTD Budget	0.1	0.4	0.8	1.1	1.4	1.7	2.2	2.8	3.5	4.2	4.0	5.0
FYTD Actuals	0.0	0.3	0.7	1.0	1.3	1.7	2.1	2.8	3.3	3.9	4.8	5.7
Spending Var	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.2	0.3	-0.8	-0.7

Variance Explanation: Spending overrun results from acceleration of Project W-320, "106-C Sluicing," incorporating FY 1994 workscope in FY 1993. A pending change request should add \$600,000 to cover costs of the accelerated work.

MAJOR MILESTONE: M-08-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: L. Erickson

MANAGER: W. C. Miller

BASELINE DATE: June 2004

PROJECTED DATE: June 2004

DESCRIPTION: Initiate full-scale tank farm closure demonstration project.

PAST DUE AND SUPPORTING INTERIM MILESTONE(S) FOR NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
None.			

ACCOMPLISHMENTS

- Completed negotiations with Ecology and EPA on TWRS rebaselining, having reached tentative agreement, pending public review and comment, including probable revision of this milestone.

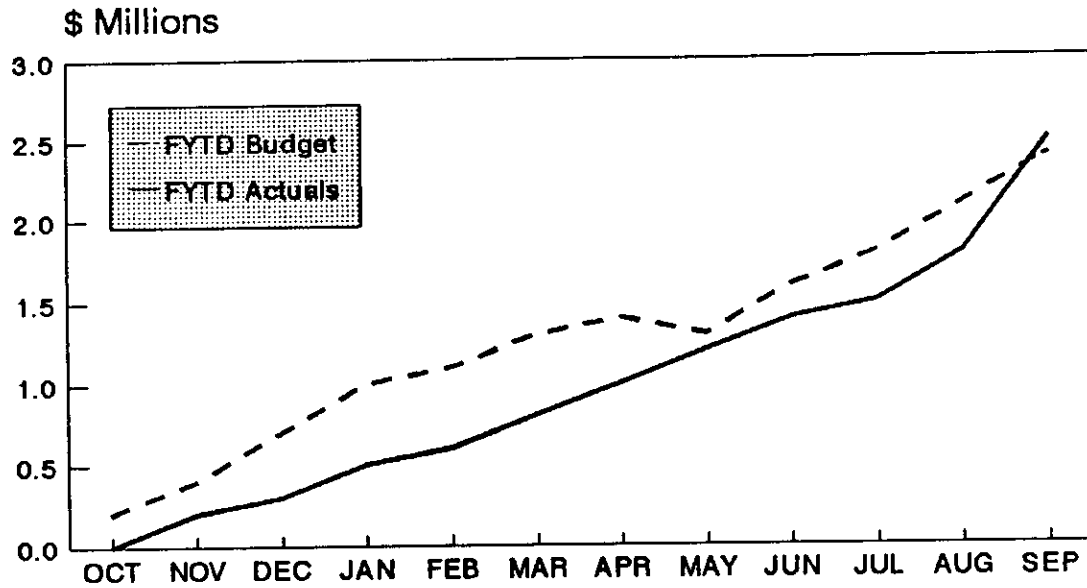
PLANNED ACTIONS FOR THE NEXT 6 MONTHS

- Complete a tank farm retrieval and closure program plan.

MILESTONE STATUS/PROBLEMS/ISSUES

- This milestone is on schedule.
- The preliminary studies on subsurface barriers indicate this technology is in its infancy. The potential that subsurface barriers be required as part of this milestone will practically ensure that the milestone cannot be met as scheduled and the benefit to the environment is questionable. The utilization of surface barriers would provide similar protection to groundwater by preventing the recharge of the vadose zone through precipitation.

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FYTD Budget	0.2	0.4	0.7	1.0	1.1	1.3	1.4	1.3	1.6	1.8	2.1	2.4
FYTD Actuals	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.5	1.8	2.5
Spending Var	0.2	0.2	0.4	0.5	0.5	0.5	0.4	0.1	0.2	0.3	0.3	-0.1

Variance Explanation: None required.

MAJOR MILESTONE: M-09-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: R. D. Freeberg

MANAGER: T. M. Wintczak

BASELINE DATE: June 2018

PROJECTED DATE: June 2018

DESCRIPTION: Complete closure of all 149 SSTs.

PAST DUE AND SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
None.			

ACCOMPLISHMENTS

- Completed negotiations with Ecology and EPA on TWRS rebaselining, having reached tentative agreement, pending public review and comment, including probable revision of this milestone.

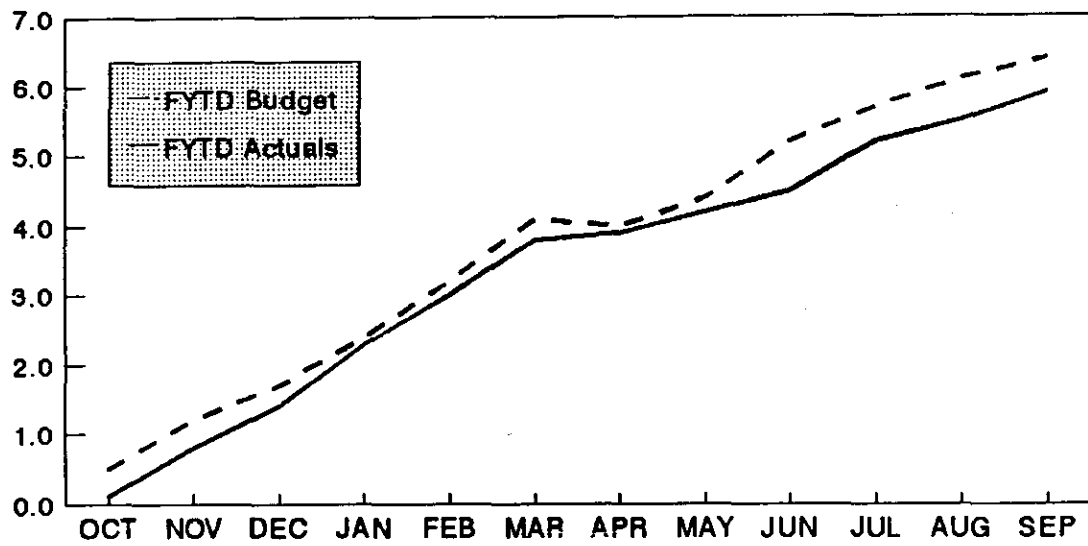
PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Continue to redefine SST waste disposal strategy under the TWRS Decision Plan.
- Issue in the *Federal Register* a notice of intent for the TWRS Environmental Impact Statement.
- Begin the next revision to the SST Closure/Corrective Action Work Plan, a precursor document for the SST Closure Plan.

MILESTONES STATUS/PROBLEMS/ISSUES

- This milestone is on schedule; however, it may be in jeopardy if preclosure activities are not accelerated. Several activities require acceleration: Supplemental Environmental Impact Statement and Record of Decision preparation, SST Waste and Field Characterization, Technology Development, and concurrent permitting with facility design.

\$ Millions



FYTD Budget	0.5	1.2	1.7	2.4	3.2	4.1	4.0	4.4	5.2	5.7	6.1	6.4
FYTD Actuals	0.1	0.8	1.4	2.3	3.0	3.8	3.9	4.2	4.5	5.2	5.5	5.9
Spending Var	0.4	0.4	0.3	0.1	0.2	0.3	0.1	0.2	0.7	0.5	0.6	0.5

Variance Explanation: None required.

MAJOR MILESTONE: M-10-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: R. E. Gerton

MANAGER: J. G. Propson

BASELINE DATE: September 1998

PROJECTED DATE: September 1998

DESCRIPTION: Complete analyses of at least two complete core samples from each SST.

PAST DUE AND SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
M-10-08	Obtain 44 core samples from 22 tanks.	9/94	TBD
M-10-13	Restore rotary mode sampling capability at the Hanford Site.	3/94	3/94

ACCOMPLISHMENTS

- Completed negotiations with Ecology and EPA on TWRS rebaselining, having reached tentative agreement, pending public review and comment, including probable revision of this milestone. These negotiated tentative agreements incorporated a new DOE-HQ direction that proposed the SST Characterization Program and related Tri-Party Agreement milestones be reevaluated to reflect retrieval requirements. Characterization data is required to (1) resolve tank safety issues, (2) develop retrieval technologies, and (3) identify pretreatment technologies.
- A change control form was approved by the three parties which delayed interim milestone M-10-13 until March 1994. This change resulted from the schedule impact created by the tank farm administrative hold.
- A change control form was approved by the three parties which modified the scope of interim milestone M-10-07 to require the taking of seven cores from SSTs and five dip samples from DSTs. This scope more closely reflects the new direction to be taken by the characterization program.

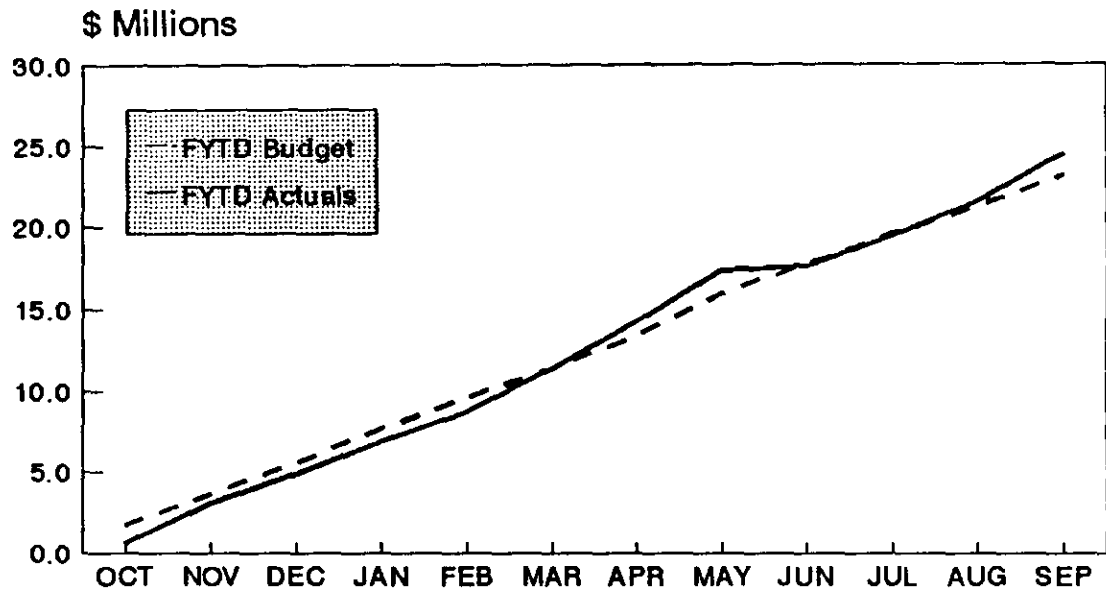
PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Restart the field work following the review of conduct of operations emanating from the tank farm administrative hold.
- Obtain core samples from SSTs 241-C-106, -C-108, -C-111, and -T-101. All of these SSTs are safety issue SSTs.

- Continue rotary mode sampling testing and implementation.
- Issue the TWRS Waste Characterization Plan. This rewrite of the SST Waste Characterization Plan will incorporate all TWRS requirements into a single plan.

MILESTONE STATUS/PROBLEMS/ISSUES

- An administrative hold has been imposed on all tank farm operations pending a review of conduct of operations within all Tank Farm Operations work. This has stopped all nonessential field work.
- The core sampling program is in a technical standdown because of a possible problem with sample recovery. Less material is being recovered than is expected. Core samples were taken from SST 241-T-105, and the problem appears to have persisted. Until this is resolved, no further core samples are being taken.



FYTD Budget	1.7	3.7	5.6	7.7	9.6	11.4	13.4	16.0	17.8	19.6	21.3	23.2
FYTD Actuals	0.6	3.1	4.9	6.9	8.7	11.4	14.3	17.4	17.7	19.5	21.6	24.5
Spending Var	1.1	0.6	0.7	0.8	0.9	0.0	-0.9	-1.4	0.1	0.1	-0.3	-1.3

Variance Explanation: None required.

MAJOR MILESTONE: M-11-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: J. M. Hennig

MANAGER: M. L. Bell

BASELINE DATE: June 1994

PROJECTED DATE: June 1994

DESCRIPTION: Complete construction and initiate operations of expanded laboratory hot cells for high-level radioactive mixed waste.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
None.			

ACCOMPLISHMENTS

- Construction:
 - Received electrical power from Project W-001 (electrical and ventilation upgrades).
 - Completed trench piping, and received and installed trench case plates.
 - Completed installation and fit-up of drum filter system.
 - Started installation of instrumentation.
- Startup Activities:
 - Submitted Level 4 startup schedule for review and comment.
 - Identified equipment required for startup and prepared purchase orders.
 - Submitted draft startup definition for review.

PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

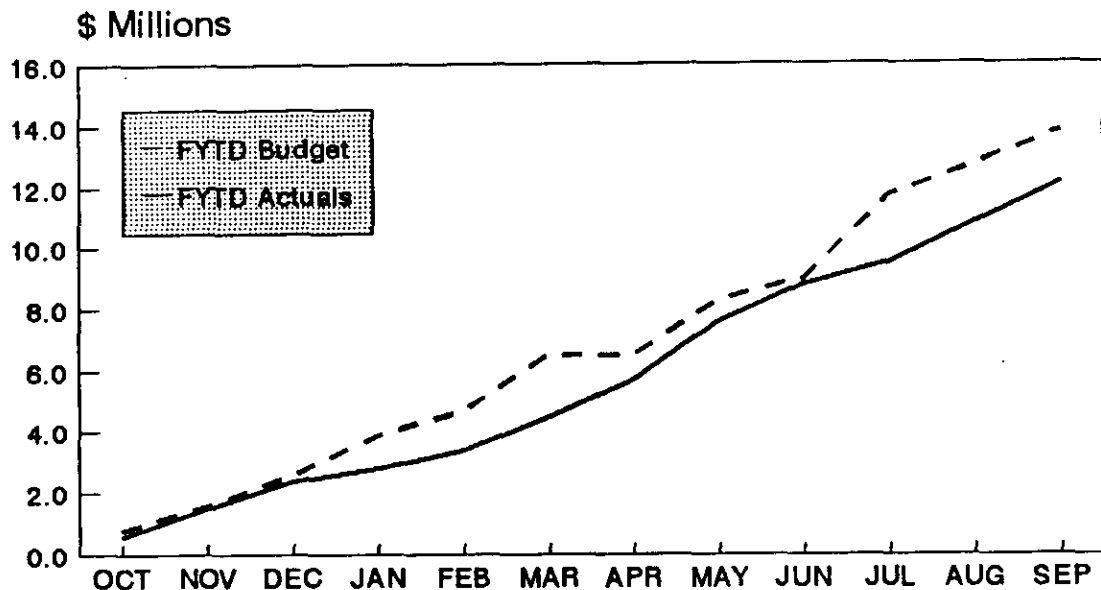
- Construction:
 - Complete installation of suspended ceiling and lighting.
 - Complete interior painting.
 - Test sample transfer cart.

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- Complete instrumentation installation.
- Complete installation and testing of hot cell drain lines.
- Startup Activities:
 - Begin operational readiness review process.

MILESTONE STATUS/PROBLEMS/ISSUES

- The sample transfer cart has not yet been received from the vendor. The cart will require a small change before the acceptance test procedure can be completed. This change will be made at the Hanford Site and the acceptance test procedure is ready and the test area has been prepared for dedicated testing.



FYTD Budget	0.8	1.6	2.6	3.9	4.7	6.5	6.5	8.3	9.0	11.7	12.7	13.8
FYTD Actuals	0.6	1.5	2.4	2.8	3.4	4.5	5.7	7.6	8.8	9.5	10.8	12.1
Spending Var	0.2	0.1	0.2	1.1	1.3	2.0	0.8	0.7	0.2	2.2	1.9	1.7

Variance Explanation: Environmental Hot Cell Expansion work, project W-041H, originally scheduled to end in FY 1993, was rescheduled to end in June 1994. Capital budgets associated with this work have not been realigned with the revised construction schedule, resulting in unrealistic FY-to-date budget figures. This project is proceeding at the revised schedule and within budget. The spending variance for the project will be eliminated as the project nears completion.

W-041H, ENVIRONMENTAL HOT CELL EXPANSION (\$1,528,800). Time required for offsite fabrication of sample modules was not considered in original schedule and a rebaseline request was disapproved. Baseline schedule was construction complete April 1993 and was not recoverable. Ecology approved changing milestone M-11-00-T1, "Complete Construction," to March 1994; it will be met.

MAJOR MILESTONE: M-13-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: R. D. Freeberg

MANAGER: T. M. Wintczak

BASELINE DATE: Annual beginning
calendar year (CY) 1993

PROJECTED DATE: Annual beginning
CY 1993

DESCRIPTION: Submit six Remedial Investigation/Feasibility Study (RI/FS) or RCRA Facility Investigation/Corrective Measures Study (RFI/CMS) work plans each year.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected*
M-13-04	Submit operable unit (OU) 200-ZP-1 Interim Remedial Measure Proposed Plan.	9/93	9/93
M-13-05	Submit OU 100-DR-2 Work Plan.	10/93	10/93
M-13-06	Submit OU 200-BP-5 Work Plan.	01/94	01/94

ACCOMPLISHMENT

- Submitted the 200-ZP-1 Proposed Interim Remedial Measure Plan to the regulators, completing Tri-Party Agreement milestone M-13-04.

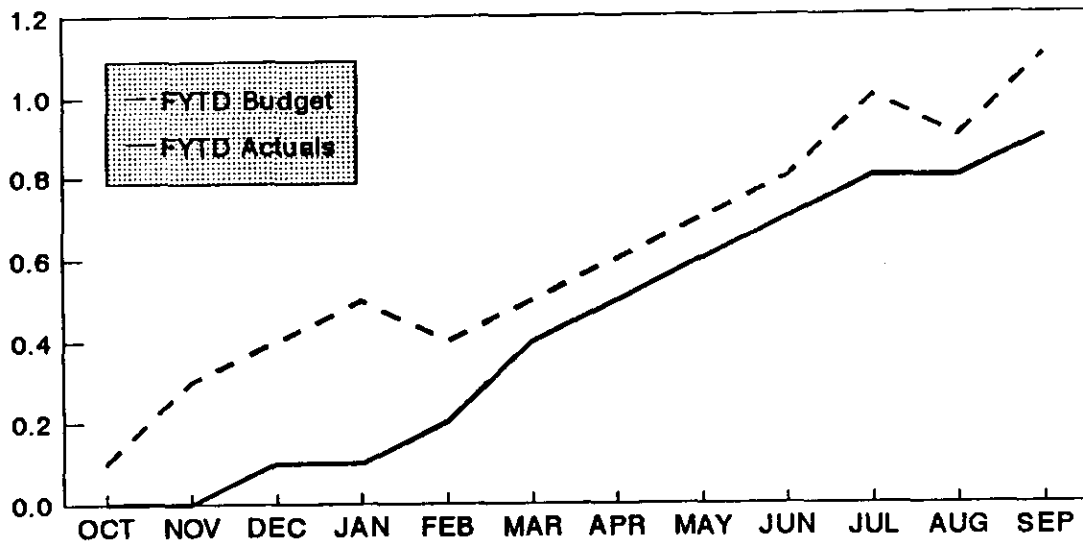
PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Submit the OU 100-DR-2 Work Plan to the regulators for review.
- Continue to resolve comments on the OU 200-UP-2 Work Plan with the regulators.
- Continue to resolve scheduling conflicts between N Operations and environmental restoration for the OU 100-NR-1 and 100-NR-2 Work Plans.
- Submit the OU 200-BP-5 Work Plan to the regulators for review.

MILESTONE STATUS/PROBLEMS/ISSUES

- This milestone is on schedule.

\$ Millions



FYTD Budget	0.1	0.3	0.4	0.5	0.4	0.5	0.6	0.7	0.8	1.0	0.9	1.1
FYTD Actuals	0.0	0.0	0.1	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.8	0.9
Spending Var	0.1	0.3	0.3	0.4	0.2	0.1	0.1	0.1	0.1	0.2	0.1	0.2

Variance Explanation: The 200-BP-5 Treatability Test Plan is being done in-house, rather than by a subcontractor, resulting in a cost savings.

As a result of this summer's Tri-Party Agreement renegotiations, scope for the 200-ZP-1 work plan was changed to an Interim Response Measure Proposed Plan, which is more limited in scope.

MAJOR MILESTONE: M-14-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: J. M. Hennig

MANAGER: M. L. Bell

BASELINE DATE: October 1995

PROJECTED DATE: October 1995

DESCRIPTION: Provide low-level mixed waste laboratory services.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
M-14-02	Complete construction of a 27-module Waste Sampling and Characterization Facility.	10/93	10/93
M-14-03	Initiate Waste Sampling and Characterization Facility operations.	4/94	4/94

ACCOMPLISHMENTS

- Construction:
 - Initial test and balance of the heating, ventilating, and air conditioning has been completed. The exhaust air system has sufficient capacity, the supply air must have two additional dampers added to ensure even flow distribution between mains.
 - Analytical Laboratory piping and electrical systems have been completed.
 - Painting and flooring in the Analytical Laboratory rooms and corridor has been completed.
 - Analytical Laboratory fume hoods and case work repairs are complete.
- Startup Activities:
 - Continued rampup of the operating staff.
- Commercial Laboratory:
 - Completed initial assessments of the International Technology facilities proposed to provide support under the primary award in September 1993.

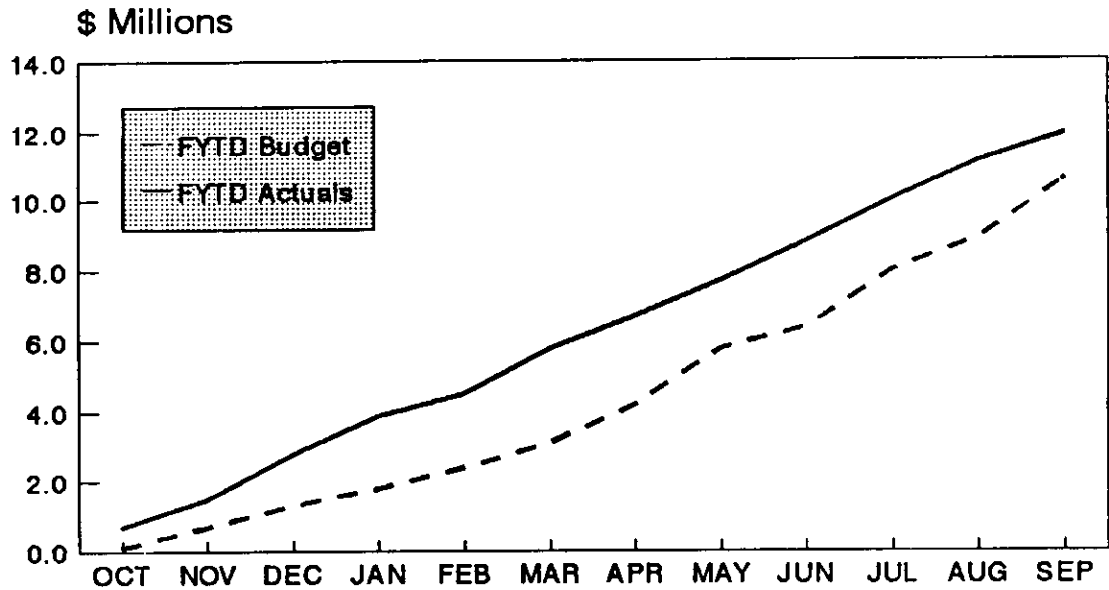
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PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Construction:
 - Complete all work except for minor punch list items and approve Official Acceptance of Completion.
- Startup Activities:
 - Receive and install analytical equipment and conduct operation testing.
 - Obtain and train new staff and start operational readiness review.
- Commercial Laboratory:
 - Continue assessments of facilities proposed to perform work under the new awards. Transition analytical workload from current contracts to the new laboratory contractors. Hanford Analytical Services Management will initiate and complete assessments of all facilities proposed to support the secondary award to Lockheed during October 1993.

MILESTONE STATUS/PROBLEMS/ISSUES

- There is a concern about achieving satisfactory operation of the Control and Monitoring System for the Analytical Laboratory heating, ventilating, and air conditioning as supplied by U.S. Modular. A backup system, complete with software, has been ordered from Robert Shaw; this will be substituted if necessary to achieve satisfactory operation.
- An initial and supplemental bid protest has been filed by Ecotek on the commercial laboratory contracts. The WHC Office of General Council has prepared and submitted initial and supplemental protest reports to the General Accounting Office. Both reports request a dismissal of the protest.



FYTD Budget	0.1	0.7	1.3	1.8	2.4	3.1	4.2	5.8	6.4	8.0	8.9	10.6
FYTD Actuals	0.7	1.5	2.8	3.9	4.5	5.8	6.7	7.7	8.8	10.0	11.1	11.9
Spending Var	-0.6	-0.8	-1.5	-2.1	-2.1	-2.7	-2.5	-1.9	-2.4	-2.0	-2.2	-1.3

Variance Explanation: The cost overrun results from the exclusion of previous years' capital budgets. Spending rates to support the April 1994 Waste Sampling and Characterization Facility startup continue as planned. With previous years' capital budget included, trends indicate this project will be completed at the approved project budget level. This may be impacted by the recent contract default of U.S. Modular.

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MAJOR MILESTONE: M-15-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: R. D. Freeberg

MANAGER: T. M. Winctzak

BASELINE DATE: September 2005

PROJECTED DATE: September 2005

DESCRIPTION: Complete the RI/FS or RFI/CMS process for all OUs.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
M-15-02E	Submit draft barrier constructability report to EPA and Ecology.	1/31/94	1/31/94
M-15-03B	Submit RI Phase II report for OU 300-FF-1 to Ecology and EPA.	12/31/93	12/31/93
M-15-05B	Complete OU 100-HR-1 Treatability Study Activities.	11/30/93	11/30/93
M-15-06A	Submit OU 100-HR-3 Limited Field Investigation (LFI) Report to Ecology and EPA.	10/31/93	10/31/93
M-15-06B	Complete OU 100-HR-3 Treatability Study Activities.	11/30/93	11/30/93
M-15-08C	Submit OU 100-BC-1 Treatability Study Report to Ecology and EPA.	1/31/94	1/31/94
M-15-10A	Submit validated data of all sampling activities associated with Sections 5.1.1.2, "Source Investigation," and 5.1.1.5, "Vadose Zone Investigation," for OU 100-KR-1 to Ecology and EPA.	10/31/93	10/31/93
M-15-11B	Submit OU 100-KR-4 LFI Report to Ecology and EPA.	1/12/94	1/12/94
M-15-13A	Submit validated data of all sampling activities associated with Sections 5.1.1.2, "Source Investigation," and 5.1.1.5, "Vadose Zone Investigation," for OU 100-FR-1 to Ecology and EPA.	11/31/93	11/31/93
M-15-13F	Submit OU 100-FR-3 LFI Report to Ecology and EPA.	4/14/94	4/14/94

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ACCOMPLISHMENTS

- Completed bench-scale soil washing tests on OU 100-DR-1 samples.
- Completed the 100-D Area Technical Baseline Report.
- Completed excavation of two test pits at the Sodium Dichromate Transfer Station at OU 100-DR-2.
- Completed bench-scale soil washing tests on OU 100-BC-1 samples.
- Received Tri-Party Agreement approval on a change agreement to document that milestone M-15-06B will be considered complete when laboratory bench-scale efforts are completed by November 30, 1993.
- Submitted OU 100-FR-1 validated data from the vadose zone boreholes to the regulators.
- Completed Geophysical ground-probing radar and electron magnetic interference surveys at the OU 100-HR-2.
- Completed the eighth round of groundwater sampling at OU 200-BP-5.
- Completed the 200-Area "Ecological Sampling."
- Completed two vadose zone borings just below the caliche layer at OU 200-BP-5.
- Completed OU 300-FF-1 EPA Soil Washing Hot Test at the North Process Pond.
- Completed the sixth round of groundwater sampling at OU 300-FF-5.
- The Tri-Parties signed the Record of Decision and placed it in the Administrative Record.
- Dispositioned all public review comments on proposed plan in the Responsiveness Summary of the Record of Decision.
- Completed RI/FS activities for the 1100 Area.

PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Complete the OU 100-BC-5 fifth round of groundwater sampling in October 1993.
- Complete the OU 100-BC-1 laboratory soil washing treatability test by the end of October.
- Complete the OU 100-BC-5 fifth round of groundwater sampling.
- Submit the OU 100-HR-3 LFI report to the regulators on October 31, 1993.

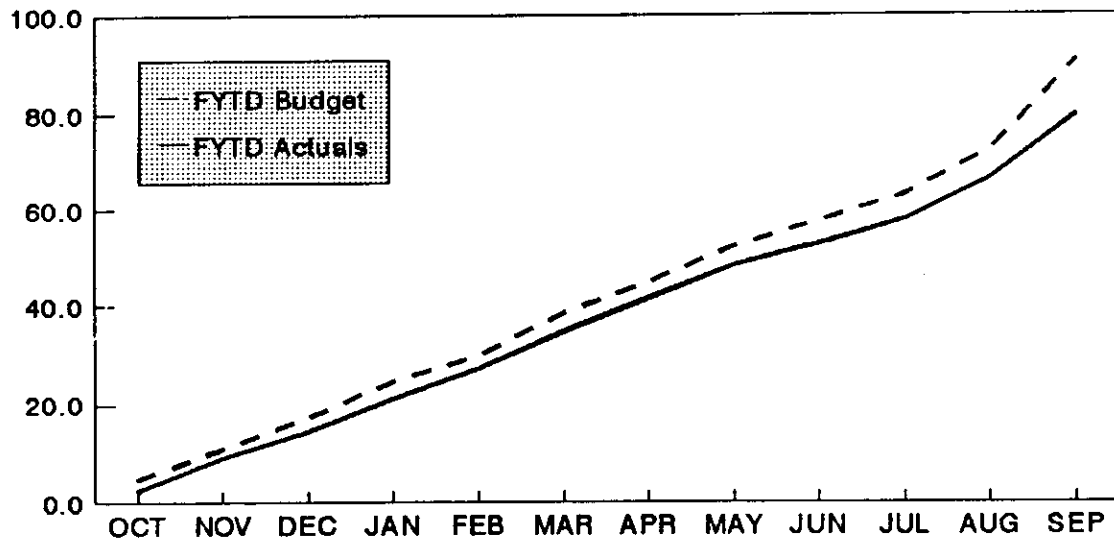
- Complete the OU 100-DR-1 treatability study activities by November 1993, completing interim Tri-Party Agreement milestone M-15-07B.
- Complete the OU 100-KR-1 LFI report and QRA report for transmittal to WHC for review October 31, 1993, RL review December 31, 1993, and submittal to regulators February 28, 1994.
- Complete the OU 100-FR-3 fourth round of sampling by October 1993.
- Initiate the OU 100-HR-1 FS report in December.
- Initiate the OU 100-HR-1 Information Resource Management plan in December.
- Complete the OU 100-HR-1 treatability study activities by November 1993, thus completing Tri-Party Agreement milestone M-15-05B.
- Submit the OU 100-HR-3 LFI report to the regulators by October 1993, thus completing Tri-Party Agreement milestone M-15-06A.
- Complete the OU 100-HR-3 field activities for the 100 Area excavation treatability test.
- Complete the 1-month bid cycle for the prototype barrier construction award by the end of November 1993 for OU 200-BP-1.
- Complete the OU 200-BP-1 constructability plan and submit to the regulators by January 31, 1994.
- Complete the OU 200-UP-1 pump testing portion of aquifer testing of existing wells by the end of October 1993.
- Complete water treatment (Soil Treatability) test at the OU 300-FF-1.
- Commence nonintrusive characterization of the 1100-IU-1 in November (e.g., soil samples, soil gas survey, and geophysical surveys).
- Complete Remediation Project plan in November.
- Commence remedial design of the Horn Rapids landfill in November.

MILESTONE STATUS/PROBLEMS/ISSUES

- This milestone is on schedule.

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\$ Millions



FYTD Budget	4.6	11.0	17.2	24.7	29.9	38.5	44.8	52.2	57.6	63.0	72.5	90.8
FYTD Actuals	2.3	9.1	14.3	21.2	27.2	34.7	41.5	48.1	52.8	57.8	66.4	79.7
Spending Var	2.3	1.9	2.9	3.5	2.7	3.8	3.3	4.1	4.8	5.2	6.1	11.1

Variance Explanation: Costs for OU 200-BP-1 characterization were lower because samples were not disposed of as planned due to the administrative hold at tank farms.

Purchase order commitment on air rotary drilling equipment in FY 1993 was delayed into FY 1994.

The contract for the OU 200-BP-1 prototype barrier was delayed because only one bid was received. Bids were requested a second time. The contract is expected to be awarded in November and carryover will be requested.

The OU 300-FF-1 soil washing treatability contract was delayed because of protests from unsuccessful bidders. The protests were resolved and the vendor contract was awarded in late July. The test will be performed in early FY 1994.

Costs for OU 300-FF-5 were lower for two reasons: (1) Phase II Work Plan is on hold until the Phase I report is discussed with the regulators, and (2) sample disposal has not occurred because of the administrative hold at tank farms.

The majority of remedial design activity was deferred until signing of Record of Decision.

MAJOR MILESTONE: M-16-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: R. D. Freeberg

MANAGER: T. M. Wintczak

BASELINE DATE: September 2018

PROJECTED DATE: September 2018

DESCRIPTION: Complete the remedial actions for all OUs.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
None.			

ACCOMPLISHMENTS

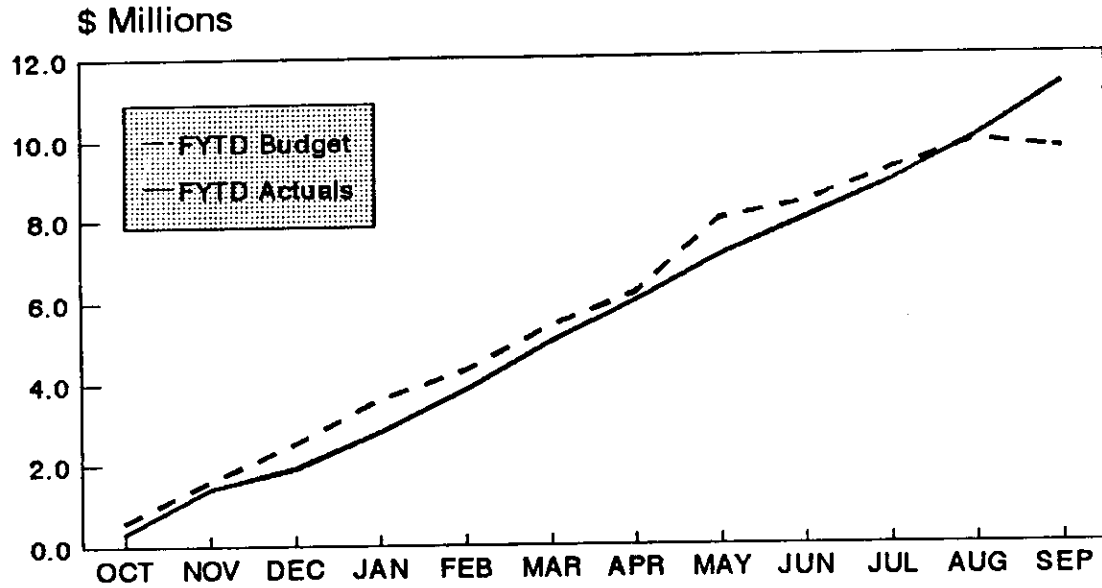
- Completed 90% of the 6718 Maintenance Building concrete pad and drain pipe excavation for riverland expedited response action (ERA).
- Completed the pesticide site, munitions cache, and fish farm cleanup efforts for riverland ERA.

PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Reseed and revegetate at the sodium dichromate ERA site in the fall.
- Resume vadose emission system activities at 216-A-1A/Z-18.
- Complete FY 1994 Work Plan for carbon tetrachloride ERA by November 1993.

MILESTONE STATUS/PROBLEMS/ISSUES

- This milestone is on schedule.



FYTD Budget	0.6	1.6	2.5	3.6	4.3	5.4	6.2	8.0	8.4	9.2	9.9	9.7
FYTD Actuals	0.3	1.4	1.9	2.8	3.8	5.0	6.0	7.1	8.0	8.9	10.0	11.3
Spending Var	0.3	0.2	0.6	0.8	0.5	0.4	0.2	0.9	0.4	0.3	-0.1	-1.6

Variance Explanation: Cost overruns resulted from an increase in costs associated with activities in response to the overheated granulated activities carbon canister. In addition to contractor investigation, three major subcontractor studies were done to investigate the causes and possible resolution of this serious safety problem.

MAJOR MILESTONE: M-17-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: J. M. Hennig

MANAGER: D. E. Kelley

M-17-00A:**BASELINE DATE:** June 1995**PROJECTED DATE:** June 1995

DESCRIPTION: Complete liquid effluent treatment facilities and upgrades for Phase I effluents.

M-17-00B:**BASELINE DATE:** October 1997**PROJECTED DATE:** October 1997

DESCRIPTION: Implement best available technology/all known, available, and reasonable methods of prevention, control, and treatment for all Phase II liquid effluents at the Hanford Site.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
M-17-06I	Complete closed loop cooling for selected equipment in Building 325 (as provided by Project D-402), Building 306-W (as provided by Small Project ER 4039), and Building 326 (as provided by Project D-403).	12/93	12/93
M-17-14D	Initiate Operational Test Procedures for the "242-A Evaporator/Plutonium-Uranium Extraction (PUREX) Plant Condensate Treatment Facility" (Project C-018H) using simulants and/or actual Liquid Wastewater Disposal Facility-stored wastes, with recycle to the Liquid Wastewater Disposal Facility basins.	6/94	6/94
M-17-16D	Implement closed loop cooling for Buildings 291-Z, 234-5Z, and 236-Z, as provided by "291-Z Closed Loop Cooling" (Project C-040) and "Plutonium Finishing Plant Liquid Low-Level Waste System Modification" (Project B-680H). Reduce the discharge to Crib 216-Z-20 to less than or equal to 75 gallons per minute, averaged over the calendar month.	1/94	1/94
M-17-16E	Complete "Plutonium Finishing Plant Liquid Low-Level Waste System Modification" (Project B-680H).	5/94	5/94

ACCOMPLISHMENTS

- Installation of the 384 Power House Building cooling tower equipment by September 1993 was completed as required by interim milestone M-17-06H.
- Final activities were completed that will ensure that discharges of liquid effluents to the 1325-N disposal site can not be restarted. The milestone to cease discharges of liquid effluents to the 1325-N disposal site by June 1995, interim milestone M-17-15, was completed 21 months early.
- The redesign of the 300 Area Treated Effluent Disposal Facility outfall pipeline was completed during this reporting period. The redesign was undertaken so that the pipeline would avoid an archaeological site and to enhance fish habitat around the outfall in the Columbia River.
- Obtained approval from DOE-HQ to amend the Hanford Environmental Compliance Line Item to address implementation of Best Available Treatment Technology for UO₃ Plant wastewater and process condensate, T Plant wastewater and laboratory wastewater, 284 West Powerhouse wastewater, and the 2101-M Laboratory wastewater.
- Installation has been completed on the 200 Area Treated Effluent Disposal Facility main transfer line from the 200 West Area Pump Station to near the 200 West Area eastern perimeter fence. Work continues on laying the pipeline at 200 West Area road crossings and utility undercrossings.
- Submitted groundwater assessment plans to Ecology and EPA for Liquid Wastewater Disposal Facility 1325-N and Powerhouse Pond 284-W by September 1993 (milestone M-17-13A schedule).

PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- RL will submit the 200 Area Treated Effluent Disposal Facility disposal site characterization report to Ecology in November 1993. This characterization report will contain information regarding the geo-hydrological suitability of the chosen disposal site. This information is required by Ecology's State Waste Discharge permitting program.
- Complete and submit to Ecology the State Waste Discharge Permit Applications for interim discharge of the Phase II Streams to 100-D Area Pond and to the 216-B-3 Pond clean lobes.

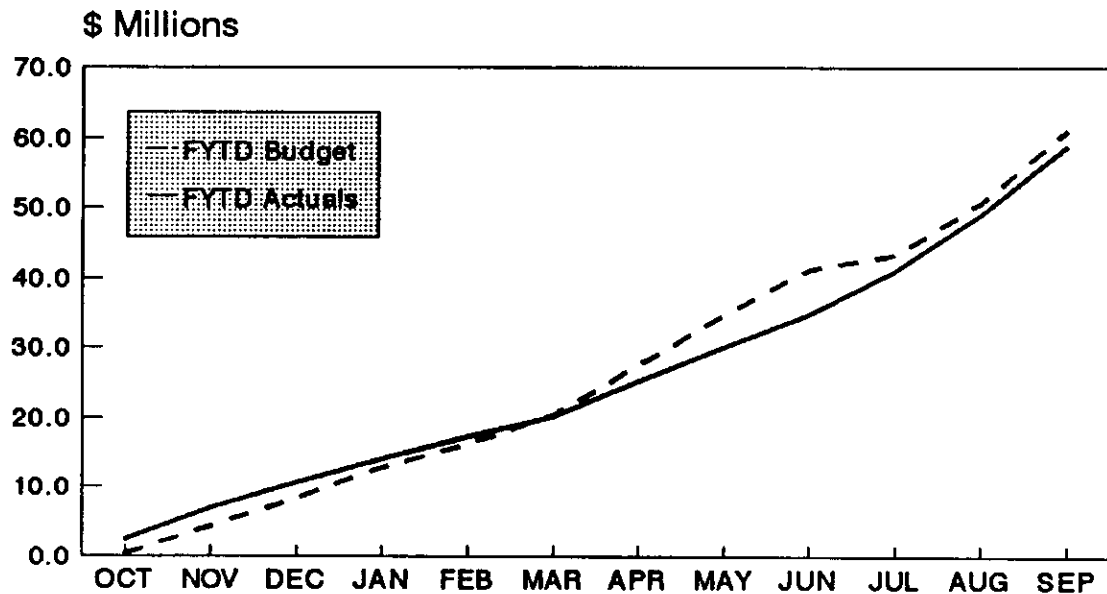
MILESTONE STATUS/PROBLEMS/ISSUES

- The major milestones M-17-00A and M-17-00B are on schedule but some issues exist with specified interim milestones as discussed below.
- Compliance with all effluent flow restrictions contained in Tri-Party Agreement milestone M-17 has been maintained during this month.

- Ecology has performed an evaluation of the environmental impacts that will occur with the construction and operation of the 200 Area Effluent Treatment Facility, as required by the *State Environmental Policy Act*. Ecology is proposing to adopt the federal evaluation of these impacts with an addendum that will specifically address the environmental impacts of discharging treated wastewater, which contains residual radioactive tritium, to the soil column. Ecology's evaluation will undergo a 60-day public comment period and is targeted for completion by December 1993.

DOE cannot award the contract for building the 200 Area Effluent Treatment disposal structure without this *State Environmental Policy Act* approval. A December 1993 approval date will place the M-17 interim milestones that support hot startup of the facility and the M-26 interim milestones that support clean out of the Liquid Effluent Retention Facility basins in jeopardy. A Tri-Party Agreement change request has been presented to the regulators that outlines the M-17 and M-26 interim milestone delays that will occur as a result of the delay in *State Environmental Policy Act* approval.

- EPA's issuance of the research, development, and demonstration draft permit for the 200 Area Effluent Treatment Pilot Plant has been delayed as a result of disagreement over the legal description of the Hanford Site. A legal description of the research, development, and demonstration and load-in/load-out station has been finalized and certified. EPA will issue the permit when they receive the legal description.



FYTD Budget	0.3	4.3	8.3	12.9	16.2	20.4	27.5	34.7	41.3	43.3	50.8	61.1
FYTD Actuals	2.4	6.9	10.7	14.1	17.3	20.2	25.3	30.1	34.9	41.0	49.1	58.8
Spending Var	-2.1	-2.6	-2.4	-1.2	-1.1	0.2	2.2	4.6	6.4	2.3	1.7	2.3

Variance Explanation: None required.

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MAJOR MILESTONE: M-18-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: J. M. Hennig

MANAGER: R. J. Roberts

BASELINE DATE: March 1997

PROJECTED DATE: March 1997

DESCRIPTION: Complete Waste Receiving and Processing (WRAP) Facility, Module 1, construction and initiate operations.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
None.			

ACCOMPLISHMENTS

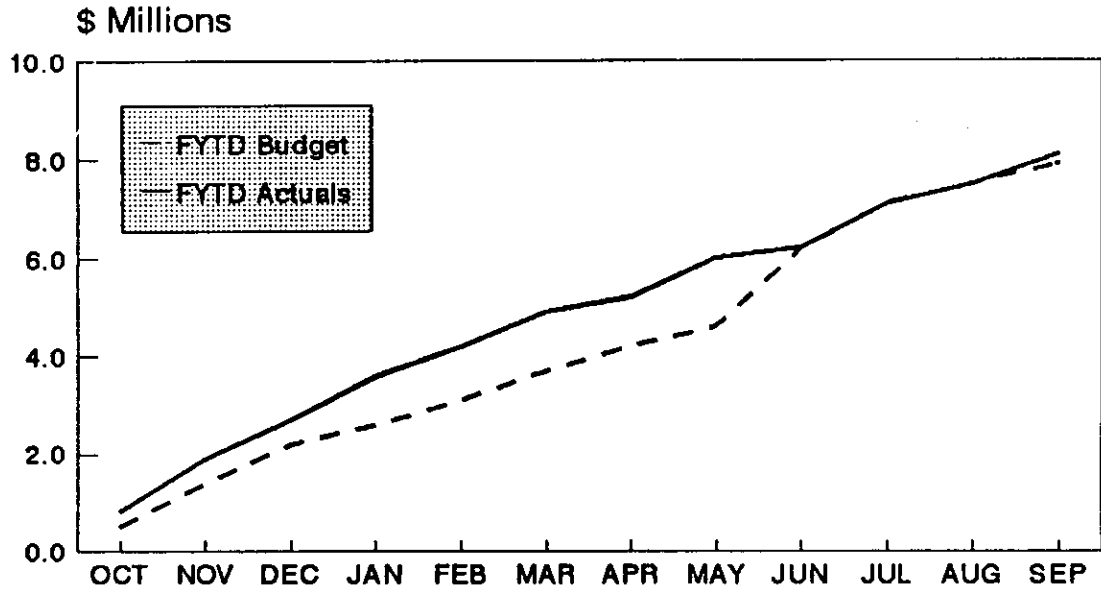
- Continued discussions about the RCRA permit application at the monthly Tri-Party Agreement unit managers' meeting.
- The Notice of Construction for the WRAP Facility, Module 1 was approved by the Washington State Department of Health on Tuesday, September 7, 1993. This records the receipt of the second of the three air permits necessary to begin construction of the WRAP Facility, Module 1.

PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Obtain approval from Ecology for the section of the air permit that discusses the projected emissions and pollution abatement controls that will be imposed on toxic air pollutants. Ecology approval of the permit is required before the start of construction of the WRAP Facility, Module 1.
- Start construction of the WRAP Facility, Module 1.
- Complete glovebox testing.
- Complete the approval process for the preliminary safety analysis report for the WRAP Facility, Module 1.
- Prepare construction bid packages for WRAP Facility, Module 1. These bid packages will cover major components of the WRAP Facility (e.g., electrical system, heating and ventilation system, fire protection system). The imminent award of two of the systems contracts will occur once WHC has received Key Decision 3 approval. Planned award date of these contracts is November 14, 1993.

MILESTONE STATUS/PROBLEMS/ISSUES

- This milestone is on schedule. Key Decision 3 (i.e., DOE approval to start construction) has been delayed until late October 1993, this delay will not affect completion of the project by the M-18-00 date of March 1997.



FYTD Budget	0.5	1.4	2.2	2.6	3.1	3.7	4.2	4.6	6.2	7.1	7.5	7.9
FYTD Actuals	0.8	1.9	2.7	3.6	4.2	4.9	5.2	6.0	6.2	7.1	7.5	8.1
Spending Var	-0.3	-0.5	-0.5	-1.0	-1.1	-1.2	-1.0	-1.4	0.0	0.0	0.0	-0.2

Variance Explanation: None required.

MAJOR MILESTONE: M-19-00
 STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: J. M. Hennig

MANAGER: R. J. Roberts

BASELINE DATE: September 1999

PROJECTED DATE: September 1999

DESCRIPTION: Complete WRAP Facility, Module 2, construction and initiate operations.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
None.			

ACCOMPLISHMENTS

- Continued the waste formulation for the waste immobilization demonstration testing.
- Continued update of the process flow diagrams for grout and polymer immobilization to support the start of Title I design.

PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Continue preparation of the advanced conceptual design for the WRAP Facility, Module 2A.
- Obtain approval of change request M-19-91-01 from Ecology and EPA. This issue has been outstanding for 1 year.
- Continue with waste form verification and in-drum mixing testing.
- Begin activities for the development of the WRAP Facility, Module 2A, preliminary safety analysis report.
- Obtain Key Decision 1 for the WRAP Facility, Module 2A, from DOE-HQ. This decision is required to proceed into definitive design of the project.

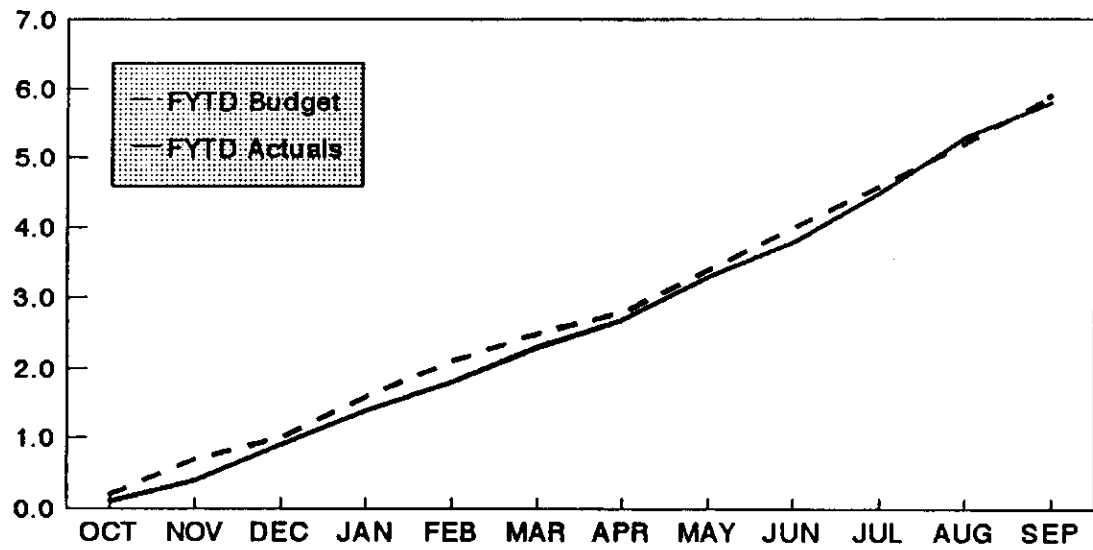
MILESTONE STATUS/PROBLEMS/ISSUES

- Technical issues associated with the Waste Isolation Pilot Plant waste acceptance criteria continue to impact the design of the WRAP Facility, Module 2. A strategy for the WRAP Facility, Module 2B, is being evaluated in light of the Waste Isolation Pilot Plant waste acceptance criteria issues. A meeting was held with Ecology to discuss the outstanding WRAP Facility, Module 2, submodularization change request.

Ecology has committed to review the strategy assessment. Work on the portion of the WRAP Facility, Module 2 (i.e., the WRAP Facility, Module 2B) that will receive and process remote-handled transuranic-waste contaminated hazardous waste (i.e., mixed remote-handled transuranic waste) is behind schedule. The portion of the WRAP Facility, Module 2, that is not affected by the Waste Isolation Pilot Plant waste acceptance criteria (i.e., the WRAP Facility, Module 2A) remains on schedule. The submodularization of the WRAP Facility, Module 2, is reflected in Tri-Party Agreement change request M-19-91-01. Ecology and EPA continue to review this change request.

- The Tri-Party Agreement Project Managers agreed to evaluate the M-19-91-01 change request after recent negotiations. One item agreed to was for RL to evaluate its Hanford sitewide solid waste management needs. This sitewide study will address as part of its scope the type of waste that would have been handled by WRAP Facility, Module 2B. Ecology is evaluating whether this study will sufficiently address their concerns about the deletion of WRAP Facility, Module 2B.
- WRAP Facility, Module 2A, is on schedule for September 1999, the Tri-Party Agreement milestone M-19-00 due date. However, the funding for FY 1994 is currently insufficient to maintain this project on schedule.
- A draft performance assessment status summary was prepared in response to efforts to strengthen the position for WRAP Facility, Module 2A, waste treatment technologies in preparation for Key Decision 1. The document supports the use of Portland cement for waste treatment of certain wastes containing uranium radionuclides and indicates that a specific leach index is not expected to be required for disposal. Therefore, the waste forms specified for the project will be sufficient and the only leaching requirements will be to pass a toxic characteristic leach procedure.

\$ Millions



FYTD Budget	0.2	0.7	1.0	1.6	2.1	2.5	2.8	3.4	4.0	4.6	5.2	5.9
FYTD Actuals	0.1	0.4	0.9	1.4	1.8	2.3	2.7	3.3	3.8	4.5	5.3	5.8
Spending Var	0.1	0.3	0.1	0.2	0.3	0.2	0.1	0.1	0.2	0.1	-0.1	0.1

Variance Explanation: None required.

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MAJOR MILESTONE: M-20-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: J. D. Bauer

MANAGER: S. M. Price

BASELINE DATE: May 1996

PROJECTED DATE: May 1996

DESCRIPTION: Submit Part B permit applications or closure plans for all RCRA treatment, storage, and disposal units.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
M-20-30	Submit 303-M Oxide Facility Part B (T-3-2).	10/92	Dispute ^a
M-20-32	Submit 300 Area Process Trenches Closure/Postclosure Plan (D-3-1).	8/94	8/94
M-20-31	Submit 1301-N/1325-N Closure Plan/Postclosure Plan (D-1-2).	5/94	5/94

^aSee "Milestone Status/Problems/Issues."

ACCOMPLISHMENTS

- Submitted a revised Hanford Facility Dangerous Waste Part A Permit Application Form 3 for the 616 Nonradioactive Dangerous Waste Storage Facility to Ecology and EPA.
- Received approval of the Hanford Facility Dangerous Waste Part A Permit Application Form 3, Revision 2, for the T Plant Complex from Ecology.

PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Submit notices of intent to expand treatment and/or storage capacities of the following units: DST System, Physical/Chemical Treatment Test Facilities, 242-A Evaporator, WRAP Facility, B Plant, and 340 Complex.
- Respond to review comments received from Ecology and the EPA on June 16, 1993, for the following Hanford Facility Dangerous Waste Permit Application portions: 305-B Storage Unit, Revision 1 (M-20-08, submitted November 1990) and the 616 Nonradioactive Dangerous Waste Storage Facility, Revision 2 (M-20-02, submitted October 1991). Per an agreement reached with Ecology and EPA, supplemental waste characterization information for the 305-B and 616 waste analysis plans is being prepared and submitted as an interim response to the June 16, 1993 comments.

- Respond to the notice of deficiency (NOD) for the 100-D Ponds Closure Plan when received (M-20-40, submitted February 26, 1993).
- Resolve NOD comments received on the 4843 Alkali Metal Storage Facility Closure Plan, Ashpit Demolition Site Closure Plan, 218-E-8 Borrow Pit Demolition Site Closure Plan, and Hanford Patrol Academy Demolition Site Closure Plan.
- Revise the 304 Concretion Facility Closure Plan, 303-K Radioactive Mixed Waste Storage Facility Closure Plan, and the 216-B-3 Pond System Closure/Postclosure Plan to reflect agreements reached with Ecology on NOD comments.
- Submit a revised closure plan for the Simulated High-Level Waste Slurry Treatment/Storage unit. The closure plan is being revised to incorporate information and regulatory changes that have occurred since Ecology last reviewed the document in 1990.
- Submit revised Hanford Facility Dangerous Waste Part A Permit Application Form 3s for the Physical/Chemical Treatment Test Facilities, PUREX Plant, Pond 216-B-3, and the 241-CX Tank System.
- Submit a change request to Tri-Party Agreement milestone M-20-24 to require submittal of a closure plan for the PUREX Plant in November 1994.
- Prepare the initial closure plans for the following treatment, storage, or disposal units: 1301-N/1325-N Liquid Waste Disposal Facilities (Tri-Party Agreement milestone M-20-31), 300 Area Process Trenches (Tri-Party Agreement milestone M-20-32), and 1324-N/1324-NA Surface Impoundments (Tri-Party Agreement milestone M-20-35).
- Issue the draft Waste Water Pilot Plant Research, Development, and Demonstration Permit for public comment.
- Issue the draft Hanford Facility Permit for public comment.

MILESTONE STATUS/PROBLEMS/ISSUES

- M-20-30, "Submit 303-M Oxide Facility Part B to Ecology and EPA"--RL submitted to Ecology a request to withdraw the Part A permit application for the 303-M Oxide Facility and a change request to delete the milestone. Ecology denied both. RL then prepared a notice of dispute and met with Ecology to begin resolution. During the February Project Managers' meeting, Ecology requested that RL consider integrating the RCRA closure and *Comprehensive Environmental Response Compensation and Liability Act* (CERCLA) past practice remediation, keeping the Part A permit application in place, and requesting relief from some of the administrative interim status requirements. Later, the Ecology Project Manager directed RL to discuss this issue with the Ecology Kennewick Office. During a March 16, 1993, meeting, Ecology stated its position is to conduct limited sampling, submit a RCRA closure plan, decontaminate and decommission the building, and leave the concrete slab

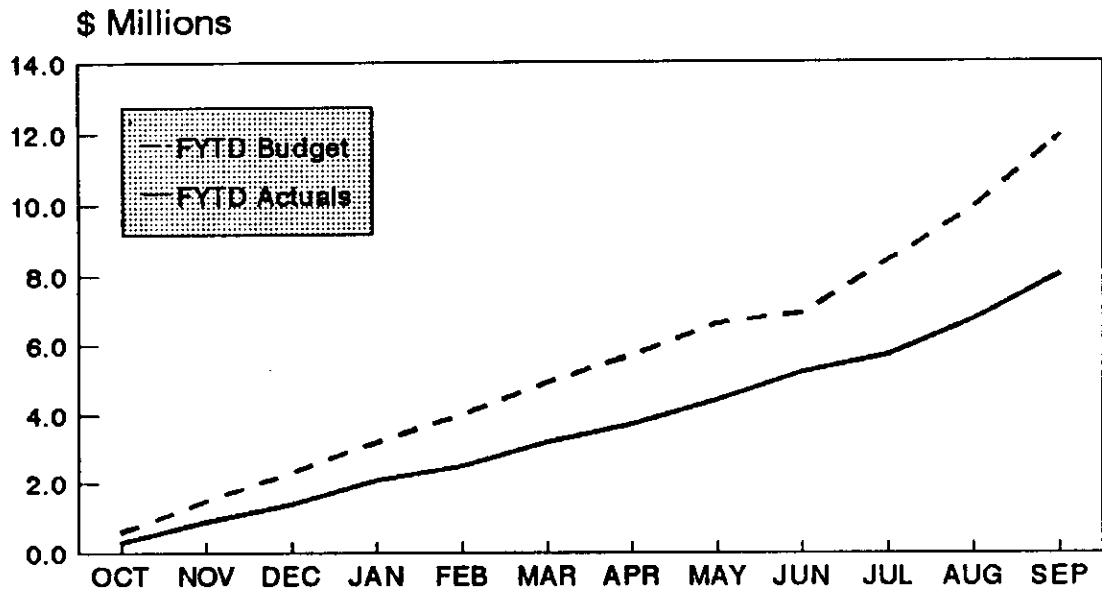
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for protection of Burial Ground 618-1. A letter was submitted to Ecology transmitting a Tri-Party Agreement issue resolution worksheet reflecting RL's position to delay any action for this treatment, storage, and disposal unit until the OU remediation is completed. Comments have been received from Ecology on the issue resolution worksheet which are being reviewed.

- M-20-09, "Submit 216-B-3 Pond Closure/Postclosure Plan to Ecology and EPA"--A strategy and schedule has been prepared to combine remediation activities of the past practice OU 200-BP-11, with the closure activities of the 216-B-3 Pond System. This strategy supports the activities needed to administratively clean close the 216-B-3A, 216-B-3B, and 216-B-3C lobes by June 1995. Closure of the 216-B-3 Pond and 216-B-3-3 Ditch will be integrated with the RCRA Past Practice activities for the OU. A change request for the OU, incorporating the proposed strategy, was approved by RL, Ecology, and EPA. Formal unit manager meetings are being held with the Ecology Kennewick Office to implement this integration effort.
- M-20-02, "Submit 616 Storage Facility Part B to Ecology and EPA"--RL received a formal NOD for this unit's permit application on June 16, 1993. This NOD specifically addressed the 616 Storage Facility waste analysis plan. The original date for submittal of waste analysis plan information was July 30, 1993. In discussions between EPA, Ecology, RL, Pacific Northwest Laboratory (PNL), and WHC, it was agreed that supplemental waste characterization information for the 616 waste analysis plan would be provided. This would be an interim response until a new waste analysis plans could be developed. We are continuing to work on this NOD.
- M-20-08, "Submit 305-B Storage Unit Part B to Ecology and EPA"--RL received a formal NOD for this unit's permit application on June 16, 1993. This NOD specifically addressed the 305-B waste analysis plan. The original date for submittal of waste analysis plan information was July 30, 1993. In discussions between Ecology, EPA, RL, PNL, and WHC, it was agreed that supplemental waste characterization information for the 305-B waste analysis plan would be provided. This would be an interim response until a new waste analysis plans could be developed. We are continuing to work on this NOD.
- A meeting was held on September 3, 1993, between Ecology, RL, WHC, and PNL management to status the resolution of permitting issues and to discuss whether a scheduled September 15, 1993, public comment period issuance date for the revised Draft Permit was advisable. An issue status summary was drafted and transmitted to Ecology on August 26, 1993, in support of this meeting. This meeting resulted in a revised issuance target date of November 1, 1993, for the public comment period, with at least a 90-day comment period to accommodate the holidays associated with this period of time. It was also agreed that a schedule would be developed to work towards resolving outstanding issues. The first meeting was held on September 17, 1993, in Lacey, Washington among Ecology, EPA, and RL, to initiate this process. Proposed draft language is expected to be developed as a result of this meeting. A meeting was held with RL, Ecology, and EPA personnel on September 22, 1993, to

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discuss the RCRA Hazardous and Solid Waste Amendments portion of the Hanford Facility Permit. Another meeting was held on September 29, 1993, to discuss the entire Permit. The meeting indicated that issue resolution approaches discussed on September 17, 1993, should continue to be pursued.



FYTD Budget	0.6	1.5	2.3	3.2	4.0	4.9	5.7	6.6	6.9	8.4	9.9	11.9
FYTD Actuals	0.3	0.9	1.4	2.1	2.5	3.2	3.7	4.4	5.2	5.7	6.7	8.0
Spending Var	0.3	0.6	0.9	1.1	1.5	1.7	2.0	2.2	1.7	2.7	3.2	3.9

Variance Explanation: The cost underrun results from continued delays in Ecology's review of Closure Plans, Part B Permit applications, and NOD responses resulting in less than planned support for follow-on revisions of these documents.

MAJOR MILESTONE: M-24-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: J. M. Hennig

MANAGER: R. R. Thompson

BASELINE DATE: December 1993

PROJECTED DATE: December 1993

DESCRIPTION: Install RCRA groundwater monitoring wells at the rate of 29 in CY 1989, 30 in CY 1990, and up to 50 per year thereafter as specified by agreed interim milestones until all land disposal units and SSTs are determined to have RCRA-compliant monitoring systems

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
M-24-00E	Install a maximum of 50 wells for CY 1993.	12/93	12/93
M-24-30	Install one additional RCRA well around Crib 1325-N (3 total).	12/93	4/93
M-24-31	Install two additional RCRA wells around the low-level burial grounds (81 total).	12/93	12/93
M-24-32	Install three additional RCRA wells around the Grout Treatment Facility (13 total).	12/93	12/93

ACCOMPLISHMENTS

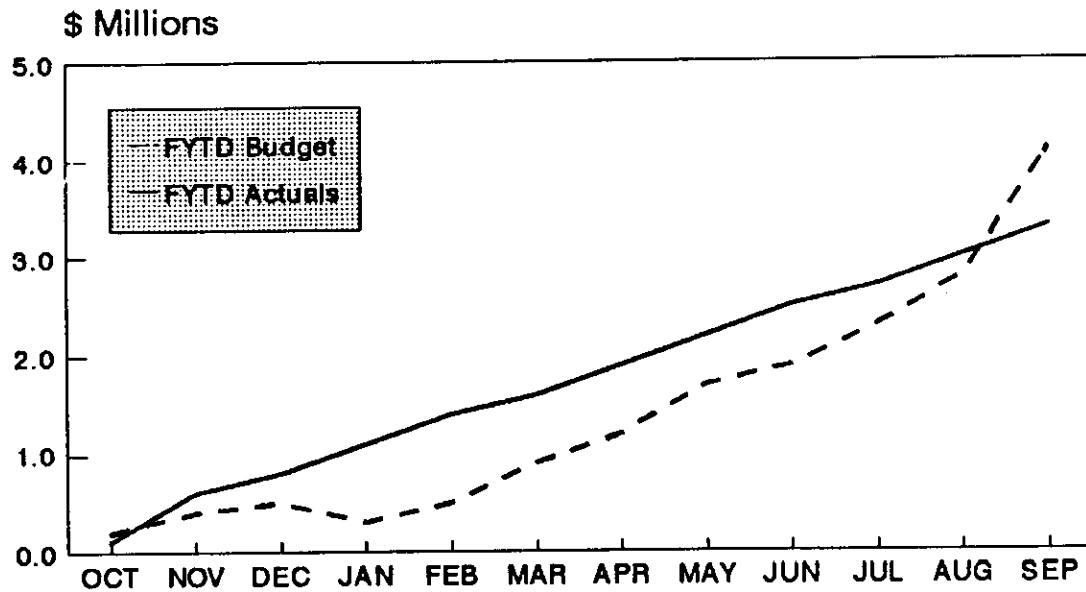
- Of the five wells scheduled for M-24-31 and M-24-32, three have been drilled and backpulled. One more is drilled to 75% of scheduled total depth and one has not been started.

PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Complete drilling activities for CY 1993 wells.

MILESTONE STATUS/PROBLEMS/ISSUES

- Offsite contractor was retained later than expected and has experienced some difficulties in drilling. Remaining work can be easily finished before the end of the year milestone date.



FYTD Budget	0.2	0.4	0.5	0.3	0.5	0.9	1.2	1.7	1.9	2.3	2.8	4.1
FYTD Actuals	0.1	0.6	0.8	1.1	1.4	1.6	1.9	2.2	2.5	2.7	3.0	3.3
Spending Var	0.1	-0.2	-0.3	-0.8	-0.9	-0.7	-0.7	-0.5	-0.6	-0.4	-0.2	0.8

Variance Explanation: The spending variance through September is an artificial variance resulting primarily from a reduction in the Line Item capital funding for Project W-017H, "Well Installation." RL de-obligated \$750,000 of the project's funds with Project Authorization Module 9 issued on December 22, 1992. This reduction was included in the cost account plan in January 1993 and, therefore, appears as a reduction in FY 1993.

Change in BAC: RL provided \$683,000 in FY 1992 Carryover expense for Project W-152 in September. This money was not planned in budget or scope and will carryover into FY 1994 as Change Request E93-021 stated.

MAJOR MILESTONE: M-26-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: J. M. Hennig

MANAGER: R. J. Landon

BASELINE DATE: April 1994

PROJECTED DATE: April 1994

DESCRIPTION: Submit annual Hanford land disposal restriction (LDR) report in accordance with the LDR Plan to cover the period from April 1 through March 31.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
M-26-01D	Submit an annual Hanford LDR Report in accordance with the LDR Plan to cover the period from April 1 of the previous year through March 31 of the reporting year.	4/30/94	4/30/94

ACCOMPLISHMENTS

- No accomplishments during this reporting period.

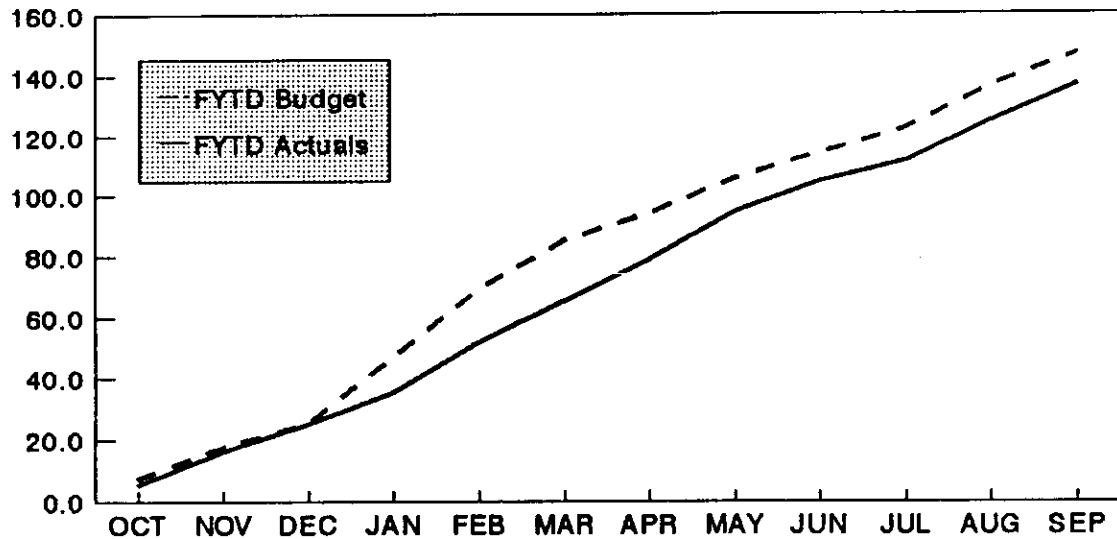
PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Receive regulator approval of the *1993 Report on Hanford Site Land Disposal Restrictions for Mixed Waste* (DOE\RL-93-11).
- Begin preparation of the *1994 Report on Hanford Site Land Disposal Restrictions for Mixed Waste*.

MILESTONE STATUS/PROBLEMS/ISSUES

- This milestone is on schedule.

\$ Thousands



FYTD Budget	7.5	17.7	25.5	47.4	69.4	85.3	94.3	105.8	114.4	122.4	136.6	147.1
FYTD Actuals	5.3	16.4	25.1	35.6	52.0	65.4	79.1	94.8	104.8	111.6	124.8	137.1
Spending Var	2.2	1.3	0.4	11.8	17.4	19.9	15.2	11.0	9.6	10.8	11.8	10.0

Variance Explanation: None required. This chart is prepared in thousands to provide meaningful data. The Budget Baseline Summary table shows zero because it is in millions.

MAJOR MILESTONE: M-30-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: R. D. Freeberg

MANAGER: T. M. Winctzak

BASELINE DATE: September 1993

PROJECTED DATE: September 1993

DESCRIPTION: Complete integrated general investigations and studies for the 100 Area.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
M-30-05	Complete installation of all-field instrumentation and initiate monitoring activities necessary to perform long-term aquifer river investigations.	9/93	9/93

ACCOMPLISHMENTS

- Completed Tri-Party Agreement interim milestone M-30-05, "Install all field instrumentation and initiate monitoring activities necessary to perform long-term evaluation of the Columbia River," completes Tri-Party Agreement milestone M-30-05.
- Completed Tri-Party Agreement major milestone M-30-00, "Completed Integrated General Investigation and Studies for 100 Areas."
- Released the "100 Area CERCLA Ecological Investigations Report."

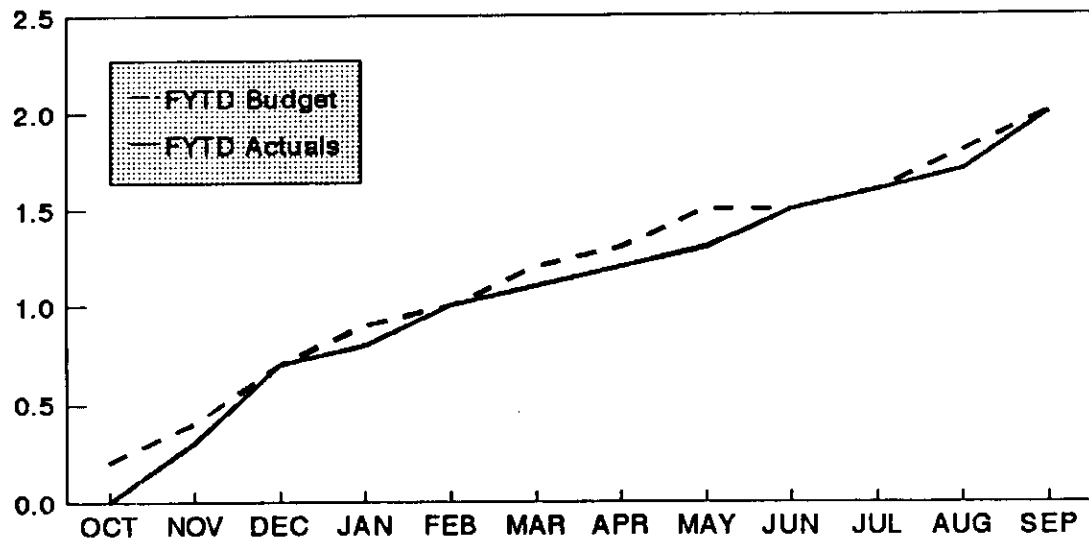
PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

- Continue collection of conductivity data in the river, riverbank seepage, and a nearby groundwater monitoring well at the 100-H Area.
- Obtain additional profiles of conductivity in shoreline wells. Obtain borehole velocity measurements from 100-H Area wells.

MILESTONE STATUS/PROBLEMS/ISSUES

- This milestone is on schedule.

\$ Millions



FYTD Budget	0.2	0.4	0.7	0.9	1.0	1.2	1.3	1.5	1.5	1.6	1.8	2.0
FYTD Actuals	0.0	0.3	0.7	0.8	1.0	1.1	1.2	1.3	1.5	1.6	1.7	2.0
Spending Var	0.2	0.1	0.0	0.1	0.0	0.1	0.1	0.2	0.0	0.0	0.1	0.0

Variance Explanation: None required.

MAJOR MILESTONE: M-31-00
STATUS FOR END OF MONTH: SEPTEMBER 1993

DOE DIRECTOR: R. W. Brown

MANAGER: R. L. Fritz

BASELINE DATE: TBD

PROJECTED DATE: TBD

DESCRIPTION: Provide additional DST capacity. Construction complete.

PAST DUE OR SUPPORTING INTERIM MILESTONE(S) FOR THE NEXT 12 MONTHS

Milestone	Description	Baseline	Projected
M-31-02	Recommend additional tank milestones.	09/30/92	10/30/93

ACCOMPLISHMENTS

- Completed negotiation of additional milestones with Ecology and EPA. Public review of the entire negotiations package will begin in mid-October.
- Drilling for the 200 East Area geotechnical soils investigation work was initiated August 24, 1993, and completed on September 12, 1993. The 200 West Area geotechnical statement of work scheduled to be issued next month.
- The Site Evaluation Report for the 200 West Area site has been approved by WHC and is ready for release.

PLANNED ACTION(S) FOR THE NEXT 6 MONTHS

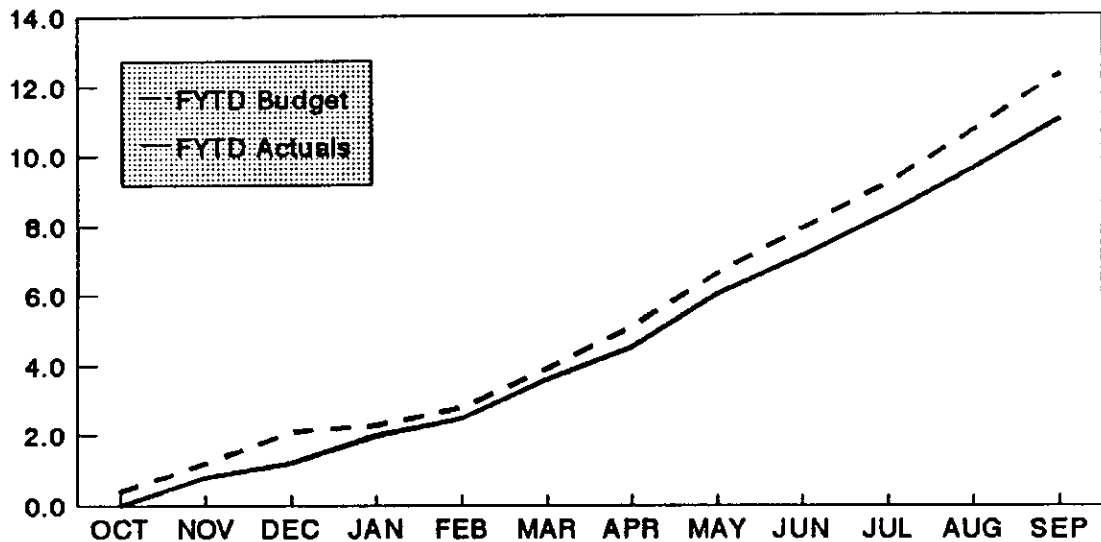
- Complete the Project Management Plan.
- Obtain approval on Level 0 change request for project rescoping.
- Complete the draft preliminary safety analysis report.
- Continue preliminary design of the new Multi-Function Waste Tank Facility (MWTF).
- Initiate the detailed design of the MWTF.

MILESTONE STATUS/PROBLEMS/ISSUES

- Timely receipt of the DOE-HQ approved Baseline Change Proposal has not been forthcoming. This is continuing to delay the startup date for the west area tanks and the possible completion of the design.

- Specific direction was received from RL to proceed with Title I activities associated with the design and construction of two tanks in the 200 West Area.
- WHC has received no official DOE-HQ direction on the level of NEPA Documentation appropriate for the MWTF.
- WHC has received no concurrence to the proposed safety documentation preparation-review cycle from DOE-HQ. This issue has potential for schedule impact.

\$ Millions



FYTD Budget	0.4	1.2	2.1	2.3	2.8	3.9	5.1	6.6	7.9	9.2	10.7	12.3
FYTD Actuals	0.0	0.8	1.2	2.0	2.5	3.6	4.5	6.0	7.1	8.3	9.6	11.0
Spending Var	0.4	0.4	0.9	0.3	0.3	0.3	0.6	0.6	0.8	0.9	1.1	1.3

Variance Explanation: The variance is primarily the result of Title I work. These various factors are the cause: (1) Kaiser Engineers Hanford did not ramp up as fast as was originally anticipated, (2) the current hold on the baseline activities associated with Hanford Waste Vitrification Plant and Pretreatment, and (3) relocation of the MWTF site within the 200 East area.

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